

RBI GRADE 'B' OFFICERS EXAM

Exam Held On : 06-02-2011

(BASED ON MEMORY)

GENERAL AWARENESS

- What role do Micro, Small and Medium Enterprises (MSMEs) play in a country's economic and industrial development ?
 - They have the capacity to absorb skilled and unskilled labour available in the country.
 - Such institutions help in distribution of income in a wide spectrum and do not allow it to get concentrated in few hands or in few areas.
 - They help in eradication of poverty by providing self-employment opportunities.
 - Only (A)
 - Only (B)
 - Only (C)
 - Only (A) & (C)
 - All (A), (B) & (C)
- Which of the following statements about the Indian Economy is **correct** ?
 - Indian economy is as developed as that of China
 - About 70% Indians are involved in some type of self-employment and are the owners of some other micro or small enterprise
 - In India single biggest employment is agriculture and allied activities
 - About 48% Indian workforce is employed in foreign countries or in organizations assisted by foreign capital
 - None of these
- Which of the following is/are **correct** about the problems of Indian Agriculture ?
 - Large agricultural subsidies are hampering productivity-enhancing investments.
 - Irrigation infrastructure is in bad shape and needs immediate improvement.
 - Frequent takeovers of fertile land by private companies and multinationals to launch big business complexes.
 - Only (A)
 - Only (A) & (B)
 - Only (A) & (C)
 - All (A), (B) & (C)
 - None of these
- As per news in various journals, many banks have failed to achieve agri-loan target fixed by the RBI for the year 2010-11. What was the target fixed for the year ?
 - 10%
 - 15%
 - 18%
 - 24%
 - 30%
- Which of the following statements about Agro and Allied activities is **NOT correct** ?
 - Farmers do not get adequate credit for purchase of cattle
 - There is a need to improve breed and genetic characteristics of the cattle folk
 - India has huge forest cover and also degraded and marshy land which can be used for productive purposes
 - India is the 10th largest producer of medicinal and aromatic plants. But the products are not of commercial value
 - Animal husbandry plays an important role in providing sustainability under Rain fed conditions
- Which of the following schemes launched by the Govt. of India aims at enhancing the livelihood security of the people in rural areas by guaranteeing hundred days of employment in a financial year to a rural household whose adult members volunteer to do unskilled manual work ?
 - TRYSEM
 - Pradhan Mantri Gram Sadak Yojana
 - Kutir Jyoti Scheme
 - ASHA
 - MGNREGA
- In some parts of India, farmers face acute distress because of heavy burden of debt from non-institutional lenders. Who can be called a non-institutional lender ?
 - Small Banks
 - Grameen Banks
 - Credit Cooperative Societies
 - Micro Finance Institutions
 - Money Lenders

8. The South Asian Free Trade Agreement (SAFTA) was introduced with a view of levying how much custom duty for trading any product within the SAARC zone ?
- 5%
 - 4%
 - 2%
 - 1%
 - No custom duty
9. Which of the following organisation prepares rural credit plans on annual basis for all districts in India, which in turn form the base for annual credit plans of all rural financial institutions ?
- SIDBI
 - NABARD
 - RBI
 - Indian Bank's Association
 - CII
10. Which of the following is **TRUE** about the current population trend(s) in India ?
- Every year India adds more people to the world's population than any other country.
 - Currently India has a young population which will grow somewhat older largely as a result of decline in fertility.
 - The National Family Planning Programme did not contribute much in controlling fertility rate
- Only (A)
 - Only (B)
 - Only (C)
 - Only (A) & (C)
 - All (A), (B) & (C)
11. In economic terms, which of the following factors determine the 'Individual's demand' of a product/commodity ?
- Price of a commodity.
 - Income of the individual
 - Utility and quality of a commodity
- Only (A)
 - Only (B)
 - Only (C)
 - Only (A) & (C)
 - All (A), (B) & (C)
12. Which of the following terms is used in the field of economics ?
- Adiabatic
 - Bohr Theory
 - Plasma
 - Barter System
 - Viscosity
13. "Pascal Lamy calls on trade negotiators to move out of their comfort zones towards agreements", was the headline in some major newspapers. This news is associated with which of the following organizations/agencies ?
- World Trade Organization
 - International Monetary Fund
 - World Bank
 - United Nations Organisation
 - North Atlantic Treaty Organisations
14. Which of the following is **NOT** a function of the Planning Commission of India ?
- Assessment of the material, capital and human resources of the country
 - Formulation of plans for the most effective and balanced utilization of country's resources
 - Public cooperation in national development
 - Preparation of annual budget of the country and collection of taxes to raise capital for the implementation of the plans
 - Determination of stages in which the plan should be carried out
15. Which of the following periods represents the period of the first Five Year Plan in India ?
- 1948-53
 - 1947-52
 - 1952-57
 - 1950-55
 - 1951-56
16. Which of the following is the name of the process available to common people to seek court's intervention in matters of public interest ?
- Public Interest Litigation (PIL)
 - Habeas Corpus
 - Ordinance
 - Residuary power
 - None of these
17. India's foreign policy is based on several principles, one of which is _____
- Panchsheel
 - Satyamev Jayate
 - Live and Let Live
 - Vasudhaiva Kutumbkam
 - None of these
18. As we know thousands of tonnes of foodgrain was washed away in the floods in Haryana and Punjab a few months back. This incident is an example which indicates that there is a scope for improvement in our machinery controlling our _____
- Mid Day Meal Scheme
 - Public Distribution System
 - Food for Work Programme
 - Village Grain Bank Scheme
 - Operation Flood Scheme
19. President Barack Obama was on a visit to India a few months back. His visit is said to have forged both the nations into a new era of relations. India managed to

- sign a special agreement with US in which of the following fields/areas as a byproduct of the visit of Obama ?
- (A) Energy sector & Nuclear energy as US has lifted sanctions on supply of high tech machines.
 (B) Skill Development Programmes in IT sector in which US has super-specialisation.
 (C) Training in management of Micro finance Institutions
- (1) Only (A) (2) Only (B)
 (3) Only (A) & (C) (4) Only (B) & (C)
 (5) Only (A) & (B)
20. Many times we read a term 'Tax Haven' in various newspapers. What does it mean ?
- (A) It is a country where certain taxes are levied at a very low rate.
 (B) It is a country where people can dump their illegal money without any problem.
 (C) It is a place where foreigners can work without paying any tax on their income
- (1) Only (A) & (B)
 (2) Only (B)
 (3) Only (B) & (C)
 (4) Only (A)
 (5) All (A), (B) & (C)
21. As per existing law, what is the **minimum** per day wages paid to a worker form unorganised sector in India ?
- (1) Rs. 50 (2) Rs. 75
 (3) Rs. 100 (4) Rs. 125
 (5) No such law is there
22. Who amongst the following was awarded the "Indira Gandhi Peace Prize". for 2010 ?
- (1) Ronald Noble
 (2) Luiz Inacio Lula D' Silva
 (3) Mohammed Elbaradei
 (4) Aung San Sau Kyt
 (5) None of these
23. Which of the following is **NOT** a Poverty Eradication Programme launched by the Govt. of India ?
- (1) Swarnajayanti Gram Swrozgar Yojana
 (2) Jawahar Gram Samridhi Yojana
 (3) National Social Assistance Programme
 (4) ADHAR
 (5) National Family Benefit Scheme
24. According to the World Bank estimate about 40% Indians are living below International Poverty line of US \$ ____.
- (1) 1 per day
 (2) 1.25 per day
 (3) 2 per day
 (4) 2.5 per day
 (5) 3 per day
25. The 10th Trilateral Ministerial Meeting of RIC group was organized in November 2010. Who are the members of the RIC ?
- (1) Russia - Iran - China
 (2) Russia - India - China
 (3) Romania - Iran - Canada
 (4) Romania - Israel - Chile
 (5) Russia - India - Croatia
26. India and Syria recently decided to double their trade in next 2 years. Indian Govt. has decided to export which of the following commodities to Syria ?
- (1) Natural gas (2) Milk
 (3) Oil (4) Wheat
 (5) All of these
27. India has sanctioned a Rs. 26 million grant to which of the following countries for development of tube wells.
- (1) Myanmar (2) Bangladesh
 (3) Nepal (4) Pakistan
 (5) Sri Lanka
28. Which of the following is the name of the scheme launched by the Govt. of India for adolescent girls (Launched in November 2010)
- (1) Swawlamban (2) SABALA
 (3) Aadhar (4) ASHA
 (5) None of these
29. Many times we see in financial journals/bulletins term M3. What is M3 ?
- (1) Courreny in circulation on a particular day
 (2) Total value of the foreign exchange on a particular day
 (3) Total value of export credit on a given date
 (4) Total value of the tax collected in a year
 (5) None of these
30. As per news in various newspapers, Govt. has allocated a huge sum of Rs. 31,000 crore for 'RTE'. What is full form of RTE ?
- (1) Right to Education
 (2) Reforms in Technical Education
 (3) Return to Emporwerment
 (4) Right to Empowerment
 (5) Renewable Technology for Energy
31. Which of the following is **NOT** a major function of the RBI in India ?
- (1) Issuance of currency notes
 (2) To facilitate external trade and payment and developing a foreign exchange market in India

- (3) Maintaining price stability and ensuring adequate flow of credit to productive sectors
 (4) Taking loans/credit from World Bank/MF and ADB etc. and reallocating it for various activities decided by the Govt. of India
 (5) Formulation and monitoring and credit policy
32. The RBI has regional offices at various places. At which of the following places it **does not** have an office ?
 (1) Kota (2) Shimla
 (3) Lucknow (4) Panaji
 (5) Grwahati
33. Which of the following organizations/agencies has given a US \$ 407 billion loan to India to boost up its micro finance services in unbanked areas ?
 (1) IMF (2) World Bank
 (3) Bank of Japan (4) ADB
 (5) Jointly by IMF and ADB
34. The Prime Minister's Economic Advisory Council (PMEAC) has projected that the Indian Exports will grow by what percentage during 2010-11 ?
 (1) 15% (2) 18%
 (3) 22% (4) 24%
 (5) 28%
35. Which of the following organizations / agencies has given the estimate that the India will be third largest FDI recipient in 2010-12 ?
 (1) UNCTAD (2) WTO
 (3) World Bank (4) IMF
 (5) None of these
36. The performance of which of the following industries is considered performance of a core industry ?
 (1) Garments (2) Leather
 (3) IT (4) Oil and Petroleum
 (5) Handicrafts
37. Who amongst the following is NOT a recipient of Nobel Prize in economics ?
 (1) Peter A. Diamond (2) Dale T. Mortensen
 (3) Amartya Sen (4) Paul krugman
 (5) Robert G. Edwards
38. Basel Committee has given its recommendations on which of the following aspects of banking operations ?
 (1) Marketing of bank products
 (2) Priority sector lending
 (3) Risk Management
 (4) Micro financing
 (5) All of these
39. Which of the following is the rank of India in Human Development Report 2010 prepared by the UNO ?
 (1) 99 (2) 100
 (3) 115 (4) 119
 (5) None of these
40. Which of the following was/were the key objectives of RBI's review of Monetary and Credit Policy 2010-11 which was reviewed again on 2nd November 2010 ?
 (A) To sustain the anti inflationary thrust.
 (B) To maintain an interest rate regime consistent with price.
 (C) To provide extra tax incentives to exporters who were in stress due to market fluctuations.
 (1) Only (A) (2) Only (B)
 (3) Only (A) & (B) (4) All (A), (B) & (C)
 (5) None of these
41. PIIGS is the group of nations falling under ____
 (1) Euro zone (2) Asia Pacific
 (3) SAARC (4) NATO
 (5) Commonwealth
42. Which of the following is / are the preconditions, the IMF has put to provide bail out package to Ireland ?
 (A) It should gradually lower down unemployment benefits.
 (B) It should bring down the minimum wages in order to boost employment.
 (C) It should import some of the crucial commodities from non euro countries as an immediate measure to improve shortage of the same.
 (1) Only (A) & (B) (2) Only (B) & (C)
 (3) Only (A) & (C) (4) Only (A)
 (5) All (A), (B) & (C)
43. India is self sufficient in production of which of the following commodities ?
 (1) Edible oil (2) Milk
 (3) Pulses (4) Natural gas
 (5) All of these
44. Which of the following is used as a fuel in Nuclear power stations in India ?
 (1) Thorium (2) Copper
 (3) Tin (4) Cromium
 (5) All of these
45. Which of the following States has taken up the job of improving Dams with the help of the World Bank's Dam Rehabilitation and Improvement project ?
 (1) Kerala
 (2) Gujarat
 (3) Tamil Nadu
 (4) Uttar Pradesh
 (5) Guwahati

46. Nitish Kumar led National Democratic Alliance won how many seats in recently held assembly elections in Bihar ?
 (1) 150 (2) 243
 (3) 200 (4) 206
 (5) None of these
47. Who amongst the following is the author of the book "Development as Freedom" ?
 (1) M. S. Swaminathan (2) C. Rangarajan
 (3) Manmohan Singh (4) Y.V. Reddy
 (5) Amartya Sen
48. Which of the following terms is used in Finance and Banking ?
 (1) Line of Sight (2) Scattering Loss
 (3) Revenue (4) Oscillation
 (5) Shielding
49. Who amongst the following is a famous economist ?
 (1) Richard Dawkins (2) Alan Greenspan
 (3) Vernon Heywood (4) Oliver Sachs
 (5) Stephan Hawking
50. Who amongst the following has never held post of the Governor of the RBI ?
 (1) C. Rangarajan
 (2) L.K. Jha
 (3) Manmohan Singh
 (4) Bimal Jalan
 (5) Usha Thorat

ENGLISH LANGUAGE

Directions (51-60) : In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

The continuing economic crisis has put central banks and governments the world over into (51) waters. For the industrialized West, the question seems to be a choice between economic stimulus and jobs, in the hope of creating a softer landing, or a swift shock in the hands of the free markets, in the hope of getting through the (52) more quickly. In emerging markets, the question is how to deal with being the focal point for investors looking to maximise returns.

Specifically, for the Federal Reserve in the United States, that means (53) hundreds of billions of dollars into the markets-buying Treasury bills to increase liquidity. In Europe the concern is that monetary union may be at risk due to the strains posed by euro-zone countries that are (54) in (55). In Asia, on the other hand, economies are surging, but the prospect of hot money flowing into the region could potentially spell (56) due to overheating.

Fears that the Fed's second round of quantitative easing may lead to a faster pace of (57) may be (58). US unemployment remains persistently high at around 10%, while inflation remains astoundingly low at 1% or less, the slowest on record. That's despite the Fed's earlier injection of \$ 1.7 trillion into the financial system to avert an economic depression in the wake of the global financial crisis.

In contrast to the Fed's quantitative easing, the European Central Bank has reduced liquidity in the European banking system by some 350 billion euros during the past five months. This reflects the central bank's (59) in the improved stability of the banking system and easier (60) to capital.

51. (1) tested (2) unpredictable
 (3) under (4) unquestionable
 (5) uncharted
52. (1) downturn (2) spectrum
 (3) options (4) hope
 (5) drama
53. (1) sucking (2) pumping
 (3) forming (4) blocking
 (5) promoting
54. (1) mired (2) safe
 (3) above (4) unhappy
 (5) out
55. (1) market (2) trouble
 (3) debt (4) surplus
 (5) manner
56. (1) positive (2) negative
 (3) trouble (4) growth
 (5) process
57. (1) cost (2) depreciation
 (3) cooperation (4) inflation
 (5) rate
58. (1) challenged (2) overstated
 (3) perfect (4) predicted
 (5) simple
59. (1) weakness (2) strength
 (3) correction (4) contract

- (5) confidence
60. (1) denial (2) approval
(3) appreciation (4) access
(5) disposal

Directions (61-75) : Read the following passage based on an Interview to answer the given questions based on it. Certain word(s) are printed in **bold** to help you locate them while answering some of the questions.

A spate of farmer suicides linked to harassment by recovery agents employed by micro finance institutions (MFIs) in Andhra Pradesh spurred the state government to bring in regulation to protect consumer interests. But, while the Bill has brought into sharp focus the need for consumer protection, it tries to micro-manage MFI operations and in the process it could scuttle some of the crucial benefits that MFIs bring to farmers, says the author of Microfinance India, State Of The Sector Report 2010. In an interview he points out that prudent regulation can ensure the original goal of the MFIs—social uplift of the poor.

Do you feel the AP Bill to regulate MFIs is well thought out ? Does it ensure fairness to the borrowers and the long-term health of the sector ?

The AP Bill has brought into sharp focus the need for customer protection in four critical areas. First is pricing. Second is lender's liability—whether the lender can give too much loan without assessing the customer's ability to pay. Third is the structure of loan repayment—whether you can ask money on a weekly basis from people who don't produce weekly incomes. Fourth is the practices that attend to how you deal with defaults.

But the Act should have looked at the positive benefits that institutions could bring in, and where they need to be regulated in the interests of the customers. It should have brought only those features in.

Say, you want the recovery practices to be consistent with what the customers can really manage. If the customer is aggrieved and complains that somebody is harassing him, then those complaints should be investigated by the District Rural Development Authority.

Instead what the Bill says is that MFIs cannot go to the customer's premises to ask for recovery, and that all transactions will be done in the Panchayat office. With great difficulty, MFIs brought services to the door of people. It is such a relief for the customers not

to be spending time out going to banks or Panchayat offices, which could be 10 km away in some cases. A facility which has brought some relief to people is people is being shut. Moreover, you are practically telling the MFI where it should do business and how it should do it.

Social responsibilities were in-built when the MFIs were first conceived. If MFIs go for profit with loose regulations, how are they different from moneylenders ?

Even among moneylenders there are very good people who take care of the customer's circumstance, and there are really bad ones. A large number of the MFIs are good and there are some who are coercive because of the kind of prices and processes they have adopted. But Moneylenders never got this organised. They did not have such a large footprint. An MFI brought in organisation, it mobilized the equity, it brought in commercial funding. It invested in systems. It appointed a large number of people. But some of them exacted a much higher price than they should have. They wanted to break even very fast and greed did take over in some cases.

Are the for-profit MFIs the only ones harassing people for recoveries ?

Some not-for-profit outfits have also adopted the same kind of recovery methods. That may be because you have to show that you are very efficient in your recovery methods and that your portfolio is of a very high quality if you want to get commercial funding from a bank.

In fact, among for-profits there are many who have sensible recovery practices. Some have fortnightly recovery, some have monthly recovery. So we have differing practices. We just describe a few dominant ones and assume every for-profits MFI operates like that.

How can you introduce regulations to ensure social upliftment in a sector that is moving towards for-profit models ?

I am not really concerned whether someone wants to make a profit or not. The bottom-line for me is customer protection. The first area is fair practices. Are you telling your customers how the loan is structured ? Are you being transparent about your performance ? There should also be a lender's liability attached to what you do. Suppose you lend excessively to a customer without assessing their ability to service the loan, you have to take the hit.

Then there's the question of limiting returns. You can say that an MFI cannot have a return on assets more than X, a return on equity of more than Y. Then suppose there is a privately promoted MFI, there should be a regulation to ensure the MFI cannot access equity markets till a certain amount of time. MFIs went to markets perhaps because of the need to grow too big too fast. The government thought they were making profit off the poor, and that's an indirect reason why they decided to clamp down on MFIs. If you say an MFI won't go to capital market, then it will keep political compulsions **under rein**.

61. Which of the following best explains "Structure of loan repayment" in this context of the first question asked to the author ?
- (1) Higher interest rate
 - (2) Payment on weekly basis
 - (3) Giving loan without assessing ability to pay
 - (4) Method of dealing with defaults
 - (5) Total amount of loan
62. The author is of the view that _____
- (1) the bill to regulate MFIs is not needed
 - (2) the bill neglects the interests of the customer
 - (3) the positive aspects of MFIs should also be considered
 - (4) most of the MFIs are not good
 - (5) MFIs must be told what and where they should do business
63. One of the distinct positive feature of MFIs is that _____
- (1) they brought services to the door of people
 - (2) they dealt with default very firmly
 - (3) they provided adequate customer protection
 - (4) they are governed by the local people
 - (5) they have highly flexible repayment plan
64. What is the difference between MFIs and moneylenders ?
- (1) There is no difference
 - (2) A large number of moneylenders are good whereas only a few MFIs are good
 - (3) Moneylenders gave credit at lower rate of interest than that of MFIs
 - (4) MFIs adopted a structure and put a process in place, which was not the case with moneylenders
 - (5) Moneylender appointed large number of local people as against more outside people in MFIs
65. Which of the following is positive outcome of the A Bill to regulate MFIs ?
- (1) The banks have started this service in remote areas
 - (2) It highlighted some areas of customer protection

- (3) It highlighted the bad practices being followed by moneylenders
- (4) MFIs invested in systems and brought commercial funding
- (5) It will help convert MFIs into small banks

66. The author is recommending _____

- (1) Not-for profit MFIs
- (2) For-profit MFIs
- (3) Stoppage of commercial funding to MFIs
- (4) Customer satisfaction irrespective of 'Not-for-profit' or 'for-profit' MFIs
- (5) Public sector promoted MFIs

67. Why did MFIs go to the equity markets ?

- (1) To repay the loan
- (2) To lower interest rate
- (3) There were political compulsions
- (4) To become a public sector institution
- (5) To grow very fast

68. Which of the following has **not** been indicated as one of the features of fair practices for customer protection

- (1) Providing information about loan structuring
- (2) MFIs should also be held liable for some of the actions
- (3) Not to raise money from capital market
- (4) MFIs should also inform public about their performance also
- (5) To provide credit as per the rational assessment of their ability to service the loan

69. Which of the following could possibly be a plausible reason for banning recovery by going to customer's premises ?

- (1) To protect the family members
- (2) To protect the customer from harassment and coercion
- (3) To reduce the undue expenses of MFIs resulting in lower interest rates
- (4) To account systematically the money recovered in the books of accounts
- (5) To keep Panchayat office out of these transactions

Directions (70-73) : Choose the word which is nearly the same in meaning as the word/group of words printed in bold.

manage

- (1) afford
- (2) assess
- (3) thrust
- (4) administer
- (5) use

71. **exacted**
 (1) perfected (2) demanded
 (3) estimated (4) corrected
 (5) accurate

72. **scuttle**
 (1) delay (2) mix
 (3) shuffle (4) destroy
 (5) smoothen

73. **spurred**
 (1) agitated (2) instigated
 (3) reflected (4) disapproved
 (5) prompted

Directions (74-75) : Choose the word or group of word which is most **opposite** in meaning of the word printed in **bold**.

74. **under rein**
 (1) under wrap (2) without target
 (3) let loose (4) no clout
 (5) under cloud

75. **coercive**
 (1) gentle (2) promoting
 (3) progressive (4) natural
 (5) opinionated

Directions (76-81) : Rearrange the following sentences (A), (B), (C), (D), (E), and (F), in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) Two of the best-performing major economies in 2010 were China and Brazil, with growth estimated at 7.5% and 10.5% respectively.
 (B) Despite that limp growth, major US stock market indexes are up between 14% and 20% for the year.
 (C) Even knowing where economies are headed sometimes is of no help to an investor.
 (D) It is hard to anticipate the direction of financial markets.
 (E) But as of December, stock markets of both nations were in the red for the year.
 (F) By contrast, the US economy is likely to have expanded at only about 2.6% for the year.

76. Which of the following would be the **SECOND** sentence?
 (1) A (2) C
 (3) D (4) E
 (5) F

77. Which of the following would be the **FOURTH** sentence?
 (1) A (2) B
 (3) C (4) E

(5) F

78. Which of the following would be the **FIFTH** sentence?
 (1) A (2) B
 (3) C (4) D
 (5) F

79. Which of the following would be the **FIRST** sentence?
 (1) B (2) C
 (3) D (4) E
 (5) F

80. Which of the following would be the **SIXTH(LAST)** sentence?
 (1) A (2) B
 (3) C (4) D
 (5) E

81. Which of the following would be the **THIRD** sentence?
 (1) A (2) B
 (3) D (4) E
 (5) F

Directions (82-85) : Rearrange the following five sentences (A), (B), (C), (D) and (E) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) Add the incremental loans to the basic metals and metal product industry, which account for another 14.5% of loans to industry and over 80% of the increase in loans to industry this fiscal is accounted for.
 (B) RBI decision to publish data on sectoral deployment of bank credit every month will provide much-needed detail.
 (C) Of the total increase in non-food credit, infrastructure loans accounted for 37%.
 (D) For instance, the data show that while bank credit to industry increased by 11.7% this year, as much as two-thirds of that increase is on account of lending to infrastructure.
 (E) This will help us to gauge which sector of the economy are doing well.

82. Which of the following would be the **THIRD** sentence?
 (1) A (2) B
 (3) C (4) D
 (5) E

83. Which of the following would be the **FOURTH** sentence?
 (1) A (2) B
 (3) Either A or E (4) D
 (5) E

84. Which of the following would be the **FIRST** sentence ?

- (1) A (2) B
(3) C (4) D
(5) E

85. Which of the following would be the **SECOND** sentence ?

- (1) A (2) B
(3) C (4) D
(5) E

Directions (86-90) : Read each sentence to find out whether there is any grammatical error in it or a wrong word has been used. The error, if any, will be in one part of the sentence which has been printed in **bold** and has been numbered (1), (2), (3) or (4). The number of that part is the answer. If there is no error, the answer is (5) i.e. 'No error'. (Ignore the errors of punctuation, if any.)

86. The **convergence of** (1)/ Indian accounting standards with International Financial Reporting Standards (IFRS) **beginning in** (2)/ April is **expecting to** (3)/ see

power companies **struggling with** (4)/ significant first-time adoption impact. No error (5)

87. Researchers at (1)/ the Indian Institute of Science (IISc), Bangalore, are **mapping** (2)/ India's solar hot spots-where **round-the-year** (3)/ sunlight makes **viable of** (4)/ companies to set up solar power plants. No error (5)

88. Though their qualifications span a **diverse** (1)/ range, there is **an equal** (2)/ number of graduates and post-graduates who have just completed School, **each set** (3)/ making up (4)/ close 30% of these households. No error (5)

89. As if (1)/ the most dangerous moment for an dictatorship is **when** (2)/ it **starts to** (3)/ reform, North Korea looks ready to turn that truism on its head (4). No error (5)

90. **It so happens** (1)/ that this happy campy ritual is the **way of life** (2)/ and **one into which** (3)/ which the don't **particularly welcome** (4)/ voyeuristic intrusions. No error

QUANTITATIVE APTITUDE

Directions (91-95) : What should come in place of question mark (?) in the following questions ?

91. $12 - 45 = 40$

- (1) 85 or -85 (2) 85 or 5
(3) 5 or -5 (4) 40 or 5
(5) None of these

92. $\left[\left((3^2)^6 \right)^4 \right] = 9^?$

- (1) 28 (2) 16
(3) 12 (4) 24
(5) None of these

93. $\sqrt{289} = ?$

- (1) $(\sqrt{17})^2$ (2) $(-8-9)$
(3) -17 (4) $\pm \left(\frac{153}{9} \right)$
(5) None of these

94. $7\% \text{ of } (4)^2 = 512$

- (1) 15 (2) 8
(3) 5 (4) 10
(5) None of these

95. $\pm \sqrt{1296} = ?$

- (1) 8 (2) 36
(3) 12 (4) 6
(5) None of these

Directions (96-100) : In the following number series, only one number is **wrong**. Find out the wrong number.

97. 4 3 4.5 8.5 20 53 162.5

- (1) 3 (2) 4.5
(3) 8.5 (4) 20
(5) 53

98. 1 8 28 99 412 2075 12460

- (1) -5.4816 (2) 472
(3) 12.96 (4) -2.408
(5) 2395

99. 144 215 540 1890 8505 46777.5 304053.75

- (1) 215 (2) 540
(3) 1890 (4) 8505
(5) 46777.5

100. 2222 1879 1663 1538 1474 1447 1440

- (1) 1879 (2) 1538
(3) 1474 (4) 1447 (5) 1440

101. In a college, the ratio of boys to girls is 31 respectively. When 75 more girls join the college, the ratio becomes 124 : 107. How many more girls should join the college to make the number of boys and girls equal ?

- (1) 75 (2) 90
(3) 60 (4) 85
(5) None of these

102. The compound interest accrued on an amount at the end of two years @ 12 p.c.p.a is Rs. 2,862/-. What is the amount ?
 (1) Rs. 11,250/- (2) Rs. 12,200/-
 (3) Rs. 13,500/- (4) Rs. 10,000/-
 (5) None of these
103. A 280 meters long train, travelling at a uniform speed crosses a platform in 60 seconds and a man standing on the platform in 20 seconds. What is the length of the platform ?
 (1) 640 meters (2) 420 meters
 (3) 280 meters (4) Cannot be determined
 (5) None of these
104. A triangle has two of its angles in the ratio of 1:2. If the measure of one of its angles is 30 degrees, what is the measure of the largest angle of the triangle in degrees ?
 (1) 100 (2) 90
 (3) 135 (4) Cannot be determined
 (5) None of these
105. In how many different ways can the number '256974' be arranged, using each digit only once in each arrangement, such that the digits 6 and 5 are at the extreme ends in each arrangement ?
 (1) 48 (2) 720
 (3) 36 (4) 360
 (5) None of these
- Directions (106-110) :** Study the given information carefully and answer the questions that follow :
 An urn contains 3 red, 6 blue, 2 green and 4 yellow marbles.
106. If two marbles are picked at random, what is the probability that both are green ?
 (1) $\frac{2}{15}$ (2) $\frac{1}{15}$
 (3) $\frac{2}{7}$ (4) 1
 (5) None of these
107. If three marbles are picked at random, what is the probability that two are blue and one is yellow ?
 (1) $\frac{2}{15}$ (2) $\frac{6}{91}$
 (3) $\frac{12}{91}$ (4) $\frac{3}{15}$
 (5) None of these
108. If four marbles are picked at random, what is the probability that at least one is yellow ?
 (1) $\frac{91}{123}$ (2) $\frac{69}{91}$
- (3) $\frac{125}{143}$ (4) $\frac{1}{4}$
 (5) None of these
109. If two marbles are picked at random, what is the probability that either both are red or both are green ?
 (1) $\frac{3}{5}$ (2) $\frac{4}{105}$
 (3) $\frac{2}{7}$ (4) $\frac{5}{91}$
 (5) None of these
110. If two marbles are picked at random, what is the probability that one is green, two are blue and one is red ?
 (1) $\frac{4}{15}$
 (2) $\frac{17}{280}$
 (3) $\frac{6}{91}$
 (4) $\frac{1}{15}$
 (5) None of these
- Directions (111-115) :** Each of the questions given below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and—
- Give answer (1) if the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
- Give answer (2) if the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.
- Give answer (3) if the data in statement I alone or in statement II alone is sufficient to answer the question.
- Give answer (4) if the data in both the statements I and II is not sufficient to answer the question.
- Give answer (5) if the data in both the statements I and II together is necessary to answer the question.
111. What is the two digit positive number ?
 I. Sum of the two digits of the number is 8.
 II. Sum of the two digits is 3 more than the higher digit.

112. The symbol \propto represents one of the following operations : addition, subtraction, multiplication or division. What is the value of $6 \propto 4$?

I $0 \propto 5 = 5$
 II $5 \propto 0 = 5$

113. At what time did Poonam finish the job ?

I Poonam started working without a break on the job at exactly 9 a.m. and by noon she had utilised exactly half the time that it took her to finish the job.
 II Poonam took exactly 6 hours to finish the job.

114. Last year an employee received an annual salary of Rs. 6,18,000/-, which was paid in equal paycheques throughout the year. What was the salary received in each of the paycheques ?

I. The employee received a total of 24 paycheques during the year.
 II. The employee received a paycheque twice a month each month during the year.

115. Is the sum of integers x and y greater than 85 ?

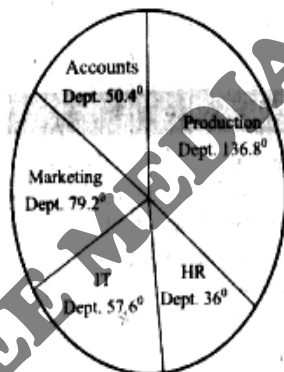
I The product of x and y is greater than 85.
 II One of the variables is greater than 83.

Directions (116-120) : Study the following pie charts carefully to answer the questions -

Degree-wise breakup of employees working in various departments of an organization

and the ratio of Men to Women

Total Number of Employees = 3250



Respective Ratio of Men to Women in Each Department

Department	Men	Women
Production	4	1
HR	12	13
IT	7	3
Marketing	3	2
Accounts	6	7

116. What is the number of Men working in the Marketing department ?

(1) 462 (2) 454
 (3) 418 (4) 424
 (5) None of these

117. What is the respective ratio of the number of Women working in the HR department and the number of Men working in the IT department ?

(1) 11:12 (2) 17:29
 (3) 13:28 (4) 12:35
 (5) None of these

118. The number of Men working in the Production department of the Organization forms what percent of the total number of employees working in the department ?

(1) 88 (2) 90
 (3) 75 (4) 65
 (5) None of these

119. The number of Women working in the It department of the Organization forms what percent of the total number of employees in the Organization from all departments together ?

(1) 3.2 (2) 4.8
 (3) 6.3 (4) 5.6
 (5) None of these

120. What is the total number of Men working in the organization ?

(1) 2198 (2) 2147
 (3) 2073 (4) 2236
 (5) None of these

Directions (121-125) : In the following questions, two equations numbered I and II are given. You have to solve both the equations and -

Give answer ' If

(1)	$x > y$
(2)	$x \geq y$
(3)	$x < y$
(4)	$x \leq y$
(5)	$x = y$ or the relationship cannot be established

121. I. $x^2 + 5x + 6 = 0$

II. $y^2 + 3y + 2 = 0$

122. I. $x^2 - 10x + 24 = 0$

II. $Y^2 - 9Y + 20 = 0$

123. I. $(x)^2 = 961$

II. $y = \sqrt{961}$

124. I. $x^2 - 72 = x$

II. $y^2 = 64$

125. I. $x^2 - 463 = 321$

II. $y^2 - 421 = 308$

Directions (126-130) : Study the following tables carefully and answer the questions given below :

Number of people taking fresh loans from different Banks over the years and the percentage of defaulters amongst them each year

**Number of people taking fresh loans from
Different banks over the years
NUMBER**

Year	Bank				
	P	Q	R	S	T
2004	27361	26345	25467	28246	30164
2005	32081	27456	32461	29435	35128
2006	25361	28637	32652	29565	32444
2007	23654	29045	32561	28314	36152
2008	36125	30467	25495	23764	35463
2009	35465	31963	27649	24356	33214
2010	34135	31974	28283	26555	31264

**Approximate Percentage of defaulters
amongst them each year
PERCENTAGE**

Year	Bank				
	P	Q	R	S	T
2004	12	9	15	13	19
2005	24	8	17	20	23
2006	22	13	16	21	25
2007	18	11	18	22	19
2008	12	10	13	23	18
2009	11	20	11	22	21
2010	9	21	12	21	23

126. Approximately how many people taking a loan from Bank S in the year 2006 were defaulters ?

131. The positions of the first and the fourth letters of the word PLANET are interchanged, similarly, the positions of the second and fifth letters and third and sixth letters are interchanged. In the new arrangement thus formed, how many letters are there between the letter which is second from the right and the letter which is fourth from the left according to the English alphabetical order ?

- (1) None (2) One
(3) Two (4) Three
(5) Four

132. The positions of how many alphabets will remain unchanged if each of the alphabets in the word WORTHY is arranged in alphabetical order from left to right ?

- (1) None (2) One
(3) Two (4) Three
(5) More than three

- (1) 6490
(3) 5020
(5) 5580

- (2) 6210
(4) 6550

127. Approximately what was the difference between the number of defaulters of Bank Q in the year 2004 and 2005 ?

- (1) 175 (2) 125
(3) 190 (4) 205
(5) 140

128. In which of the following years was the number of defaulters of Bank R, the maximum among the given years ?

- (1) 2005 (2) 2006
(3) 2007 (4) 2010
(5) None of these

129. In which of the following years was the difference in number of people taking loan from Bank P from the previous year the highest ?

- (1) 2008 (2) 2006
(3) 2007 (4) 2005
(5) None of these

130. Approximately what was the total number of defaulters of Bank T in the years 2007 and 2008 together ?

- (1) 14110 (2) 13620
(3) 13250 (4) 14670
(5) 15330

REASONING

133. How many such pairs of letters are there in the word REASON, each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series ?

- (1) None (2) One
(3) Two (4) Three
(5) More than three

134. 'Writing is related to Pen' in the same way as _____ ?

- (1) 'Singing' is related to 'Music'
(2) 'Stitching' is related to 'Needle'
(3) 'Dancing' is related to 'Exercise'
(4) 'Carpenter' is related to 'tools'
(5) 'Paper' is related to 'book'

135. If it is possible to make only one meaningful word with the second, third, eighth and ninth letters of the word 'CONFLICTED', which would be the second

letter of the word from the left? If more than one such word can be formed, given 'A' as the answer. If no such word can be formed, give 'Z' as your answer.

- (1) A (2) T
(3) O (4) N
(5) Z

136. In which of the following expressions will the expression $P < M$ be definitely true?

- (1) $M < R > P \geq S$
(2) $M \leq S = P < F$
(3) $Q < M < F = P$
(4) $P = A < R < M$
(5) None of these

137. In a class of 42 children, Joseph's rank is sixteenth from the top. Kevin is seven ranks below Joseph. What is Kevin's rank from the bottom?

- (1) 22nd (2) 20th
(3) 19th (4) 23rd
(5) 25th

Directions (138-140) : The following questions are based on the alphabetical series given below :

CLRTBQSMAPDINFJKGYX

138. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to the group?

- (1) LBT (2) SPA
(3) IJF (4) PID
(5) BMS

139. If 'CT' is related to 'RQ' and 'AI' is related to 'DF' in a certain way, to which of the following is 'SP' related to, following the same pattern?

- (1) MD (2) DN
(3) AD (4) AI
(5) DF

140. What will come in place of the question mark in the following series?

CR LB TM SI ?

- (1) PK (2) DK
(3) DG (4) NX
(5) PG

Directions (141-145) : Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and -

Given answer (1) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone

are not sufficient to answer the question.

Give answer (2) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question

Give answer (3) If the data either in statement I alone or in statement II alone are sufficient to answer the question

Give answer (4) If the data even in both statements I and II together are not sufficient to answer the question

Give answer (5) If the data in both statements I and II together are necessary to answer the question

141. How is 'Party' coded in the language?

- I. 'going to a party' is coded as 'la fa qu tu' and 'from party' is coded as 'fa me tu'
II. 'start the party' is coded as 'tu co ra' and 'going to start' is coded as 'qu co la'.

142. On which day of the week is Priya definitely travelling?

- I. Amita correctly remembers that Priya is travelling after Tuesday but before Saturday. Rohit correctly remembers that Priya is travelling before Friday but after Monday.

II. Priya does not travel on a Friday.

143. How is P related to A?

- I. A is the daughter of M and he sister of S.
II. K is the son of P and the husband of M.

144. Four movies are screened from Monday to Thursday (one on each day starting on Monday and ending on Thursday) viz-Crash, Social Network, Ice Age and Notting Hill. On which day is the movie 'Crash' screened?

- I. Social Network is screened on the last day.
II. Neither Ice Age nor Notting Hill are screened on Monday.

145. Who sits to the immediate right of Ayesha?

- I. Four friends- Shraddha, Tania, Vilma and Ayesha are sitting around a circular table facing the centre.
II. Shraddha sits second to the right of Tania. Vilma is an immediate neighbour of Shraddha.

Directions (146-150) : Study the following information to answer the given questions :

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement.

(Single digit numbers are preceded by a zero. All other numbers are two digit numbers)

Input : good 18 to raise 02 12 money 28 for 57 charity 09.

Step I : to good 18 raise 02 12 money 28 for charity 09 57.

Step II : to raise good 18 02 12 money for charity 09 28 57.

Step III : to raise money good 02 12 for charity 09 18 28 57.

Step IV : to raise money good 02 for charity 02 12 18 28 57.

Step V : to raise money good for charity 02 09 12 18 28 57.

Step V : is the last Step of the arrangement of the above input as the intended arrangement is obtained.

Directions (146-147) : These questions are based on the following input :

Input : always 19 give 21 84 for 62 14 worthy cause.

146. Which of the following would be step III for the above input ?

- (1) worthy give for-always 19 14 cause 84 62 21.
- (2) worthy give for always 14 19 cause 21 62 84.
- (3) always give for worthy 19 14 cause 21 62 84.
- (4) worthy give for always 19 14 cause 21 62 84.
- (5) always give for cause 19 14 worthy 21 62 84.

147. How many steps would be needed to complete the arrangement for the above input ?

- (1) VI
- (2) V
- (3) IV
- (4) VII
- (5) None of these

Directions (148-150) : These questions are based on the following input :

Input : 50 62 tips on 67 how can 42 stay young 17 89 forever 03.

148. The following stands for which step of the arrangement

young tips stay 50 on how can 42 17 forever 03 62 67 89.

- (1) Step III
- (2) Step V
- (3) Step VI
- (4) Step IV
- (5) None of these

149. Which of the words/numbers below would be at the fifth position (from the right end) in Step V of the input ?

- (1) forever
- (2) 42
- (3) 50
- (4) young

(5) None of these

150. Which of the following would be the last step for the input ?

- (1) young tips stay on how forever can 03 17 42 50 62 67 89.
- (2) young tips stay on how forever can 89 67 62 50 42 17 03.
- (3) can forever how on stay tips forever 89 67 62 50 42 17 03.
- (4) young tips stay on how forever can 03 17 42 50 67 62 89.
- (5) can forever how on stay tips young 03 17 42 50 62 67 89.

Directions (151-155) : Study the following information and answer the questions below.

Eight people- S, R, N, L, M, T, O and P are sitting in a circle facing the centre. All eight belong to different professions - reporter, doctor, cricketer, teacher, accountant, shopkeeper, painter and supervisor. They are not necessarily seated in the mentioned order.

M is sitting third to the left of O. The doctor is to the immediate right of M and M is not a reporter. R is sitting fourth to the right of P. Neither R nor P is an immediate neighbour of M. T is a teacher and is sitting third to the right of the doctor. The shopkeeper is sitting second to the left of the teacher. The painter is sitting second to the left of M. S the cricketer is sitting exactly between T and P. The accountant is sitting second to the right of the cricketer. N is sitting third to the left of T.

151. Who amongst the following is a reporter ?

- (1) O
- (2) L
- (3) N
- (4) R
- (5) None of these

152. What is S's position with respect to R ?

- (1) Third to the right
- (2) Second to the right
- (3) Third to the left
- (4) Second to the left
- (5) Fourth to the right

153. How many people are sitting between P and N when counted in an anti clockwise direction N ?

- (1) One
- (2) Two
- (3) Three
- (4) Four
- (5) None

154. Four of the following five pairs are alike in a certain way based on their positions in the above arrangement and so from a group. Which of the following **does not** belong to the group ?

- (1) Teacher - Painter
- (2) Supervisor - Shopkeeper
- (3) Cricketer - Reporter
- (4) Doctor - Accountant
- (5) Shopkeeper - Doctor

155. Which one of the following statements is **false** according to the above mentioned arrangement ?

- (1) N is to the immediate right of the supervisor
- (2) The cricketer is third to the right of the shopkeeper
- (3) The doctor is sitting exactly between the supervisor and the accountant
- (4) L is neither a teacher nor a supervisor
- (5) There are only three people between S and N

Directions (156-160) : Study the following information and answer the questions that follow :

In a certain code language, 'hope to see you' is coded as 're so na di' 'Please come to see the party' is coded as 'fi ge na di ke zo' 'hope to come' is coded as 'di so ge' and 'see you the party' is coded as 're fi zo na'.

156. How is 'party' coded in the given code language ?

- (1) di
- (2) ke
- (3) fi
- (4) na
- (5) None of these

157. What does the code 'so' stand for in the given code language ?

- (1) hope
- (2) come
- (3) see
- (4) to
- (5) None of these

158. How is 'party' coded in the given code language ?

- (1) Either 're' or 'fi'
- (2) Either 'zo' or 'na'
- (3) Either 'zo' or 'fi'
- (4) Either 'zo' or 'ge'
- (5) Either 're' or 'fi'

159. How will 'please see you' be coded in the given code language ?

- (1) re na ke
- (2) so re na
- (3) zo re na
- (4) na di ke
- (5) ke re ge

160. Which one of the following will be coded as 'so di' in the given code language ?

- (1) you see hope
- (2) hope you please

- (3) hope you come
- (4) the hope to
- (5) you hope to

Directions (161-165) : In each question below a statement is given followed by two courses of action numbered I and II. A course of action is a practicable and feasible step or administrative decision to be taken for follow-up, improvement or further action in regard to the problem, policy, etc. On the basis of the information given in the statement, you have to assume everything in the statement to be true, and decide which of the suggested courses of action logically follow/s for pursuing.

Given answer (1) if only I follows.

Given answer (2) if only II follows.

Given answer (3) if either I or II follows.

Given answer (4) if neither I nor II follows.

Given answer (5) if both I and II follow.

161. **Statement :** Four cases of pick pocketing were reported at one of the most renowned five star hotels last evening.

Courses of action :

- I. The hotel staff should be instructed to be vigilant and report any suspicious person or activity.
- II. More CCTV cameras should be installed near the dining and reception areas of the hotel where these incidents took place.

162. **Statement :** Despite repeated warnings to students and parents from the college, some students have finally not fulfilled the mandatory criteria of 75% attendance in order to appear for exams.

Courses of action :

- I. The college should stop adhering to this particular criteria.
- II. Either the parents or guardians of the defaulters should be called for a meeting.

163. **Statement :** The students residing at the hostel of a university had to stay without electricity and water for 48 hours not because of shortages but because of negligence by the hostel staff.

Courses of action :

- I. The management of the university should look into the matter and take strict action against such negligence.
- II. The students should leave the hostel and find some alternate accommodation.

164. **Statement :** Local villagers have reported that instances of illegal cutting of trees have increased over the last few months in forest area.

Courses of action :

- I. The locals should be encouraged to report any such activities in the future as well.
- II. Authorities should immediately look into the matter and put a stop to such illegal activities.

165. **Statement :** The packets of many of the packaged eatables convey incorrect information about the ingredients and nutrient content.

courses of action :

- I. All such products should be banned from the market if after a warning also correct information is not provided.
- II. The issue should be ignored as long as the eatables are popular among the public.

Directions (166-170) : Study the following information and answer the questions that follow :

Six friends- Deepak, Varun, Anit, Nilesh, Rajesh and Siddharth are studying six different specializations of engineering which are- metallurgy, telecommunication, software, mechanical, electrical and hardware not necessarily in the same order. Each one likes a different sport- hockey, cricket, swimming, football, badminton and tennis again not in the same order.

Nilesh is not studying hardware. Rajesh is studying software and likes hockey. Anit likes swimming and is not studying hardware. The one who likes football is studying electrical. Siddharth is studying mechanical and does not like tennis. The one who likes badminton is studying telecommunication. Deepak and Varun do not like badminton. Deepak does not like tennis.

166. Which specialization is Varun studying ?

- (1) Metallurgy
- (2) Mechanical
- (3) Hardware
- (4) Electrical
- (5) None of these

167. Which sport does Deepak like ?

- (1) Football
- (2) Cricket
- (3) Hockey
- (4) Cannot be determined
- (5) None of these

168. Which of the following person - specialization combination is **correct** according to the given information ?

- (1) Niles - Hardware
- (2) Varun - Electrical
- (3) Anit - Metallurgy
- (4) Siddharth - Software
- (5) None of these

Directions (169-170) : If all six friends are asked sit in a straight line facing north, in an alphabetical order (according to their names), from left to right, then -

169. Who will be to the immediate left of the one studying electrical ?

- (1) The one who likes badminton
- (2) The one who is studying telecommunication
- (3) The one who is studying hardware
- (4) The one who likes hockey
- (5) None of these

170. Which of the following combinations will represent the favourite sport of the immediate neighbours of Rajesh ?

- (1) Badminton - Football
- (2) Cricket - Tennis
- (3) Cricket - Football
- (4) Tennis - Football
- (5) Cricket - Badminton

Directions (171-17) : Six friends A, B, C, D, E and F working in the same office take different time to reach office. All of them take time in the multiples of ten in such a manner that the one who reaches office the earliest, reaches in 10 minutes and the one who takes maximum time reaches office in 60 minutes. D takes more time than E but less time than A. A reaches in 30 minutes. B takes less time than only F.

171. How much time does C take to reach office ?

- (1) 60 minutes
- (2) 50 minutes
- (3) 40 minutes
- (4) 20 minutes
- (5) Cannot be determined

172. Who amongst the following takes maximum time to reach office ?

- (1) B
- (2) C
- (3) D
- (4) F
- (5) Cannot be determined

173. How many people take more time to reach office than D ?

- (1) Four
- (2) Three
- (3) Two
- (4) One
- (5) None

Directions (174-178) : In each question below is given a statement followed by two assumptions/inferences numbered I and II. An assumption is something supposed or taken for granted and an inference is something which can be directly inferred from the given facts. You have to consider the statement and the following assumptions/inferences and decide which of those is/are implicit in the statement.

Given answer (1) if only I is implicit.

Given answer (2) if only II is implicit.

Given answer (3) if either I or II is implicit.

Given answer (4) if neither I nor II is implicit.
 Given answer (5) if both I and II are implicit.

174. **Statement :** Using calculator for simpler calculations adversely affects mathematical abilities of children.
 I. Using calculator for complex calculations may not affect mathematical abilities adversely.
 II. Complex calculations cannot be done manually without the help of a calculator.

175. **Statement :** For underwater battles only weaponry X should be used.
 I. Not all weaponry can function well under water.
 II. There are different kinds of weaponry available for battles on ground and under water.

176. **Statement :** An advertisement by EasyAir, a private airliner 'Travel to Meerut by our airlines and get a chance to win an all expenses paid holiday to Bangkok'.
 I. EasyAir flights are available for Bangkok.
 II. The city of Meerut has an airport

177. **Statement :** As the prices of petrol and diesel shoot up, more and more people are resorting to the use of electric cars.
 I. Using electricity for powering cars is less expensive than using petrol or diesel.
 II. Many people cannot afford the raised prices of petrol and diesel

178. **Statement :** Book your railway tickets at least three months in advance to ensure a confirmed reservation.
 I. No booking is taken by the railways before three months of the date of journey.
 II. Air tickets need to be booked as much in advance as train tickets

Directions (179-181) : Read the following information carefully and answer the questions which follow.

Ruling governments in the west are being punished by the voters for ever rising unemployment rates. Their parliament is abuzz with campaigns marked by criticism of India as an outsourcing hub. India is seen by many in the west as a land of call centres and back offices with cheap labour that costs people in the west, their jobs.

179. Which of the following statements would **weaken** the argument given in the passage ?
 (1) Outsourced jobs do not require highly skilled and qualified employees
 (2) Nearly 34% of the unemployed people would secure jobs in the west if outsourced jobs were insourced by their organizations

- (3) After suffering heavy losses in the elections the governments in the west are expected to change their decision on outsourcing to India.

- (4) Outsourcing, a dynamic, two-way relationship has created jobs and growth in India as well as the west.

- (5) Although outsourcing to India allowed many companies in west to focus on their core operations, they heavily compromised the quality and the standards of their back office jobs.

180. Which of the following can be a **possible repercussion** of the opposition to outsourcing in the west ?

- (1) Jobs which are currently outsourced to India would be transferred to another country which in all probability would be China.

- (2) Call centres and back offices employees in India would expect a salary at par with their western counterparts.

- (3) In-sourcing of jobs by the west would render thousands of Indians unemployed.

- (4) If in-sourced in the west itself, the companies would not be able to employ professionals and experts of same quality as available in India.

- (5) The western companies which earlier outsourced to India would benefit financially as offices would not have to be set overseas.

181. Which of the following can be **inferred** ? (An inference is something which is not directly stated but can be inferred from the given facts)

- (1) Unemployment in India is not as severe a problem as that in the west

- (2) Employees working in the back offices and call centres in the west earn much more than their counterparts in India

- (3) Developing countries such as China and India do not outsource their back office jobs at all to other countries

- (4) Countries which do not outsource jobs do not face the problem of unemployment

- (5) One of the main reasons for high unemployment rate in India is its clan of call centres and back offices which undertake outsourced work from the west

Directions (182-184) : Read the following information carefully and answer the questions which follow :

P is son of Q. Q is mother of R. R is wife of T. T is father of V. V is brother of W. Y is mother of T.

182. Which of the following is **true** based upon the relationships given above ?

- (1) W is grand-daughter of Y
(2) R is sister of P
(3) V is son of Q
(4) V is brother-in-law of Y
(5) None of these

183. How is T related to P ?

- (1) Son-in-law (2) Brother
(3) Father-in-law (4) Brother-in-law
(5) Cannot be determined

184. Which of the following is/are required to establish that W is the daughter of R ?

- (1) No extra information is required as the relation can be established from the given information
(2) R has only three children, one son and two daughters
(3) Q has only one grandson
(4) Y has only two children, a son and a daughter
(5) Either (2) or (3)

Directions (185-190) : In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions.

Mark answer if

- (1) Only conclusion I follows
(2) Only conclusion II follows
(3) Either conclusion I or II follows
(4) Neither conclusion I nor II follows
(5) Both conclusions I and II follow

185. **Statement :** $A \geq B \leq C$, $D > F$

- Conclusions :** I. $F > B$
II. $A > D$

186. **Statement :** $X > Y \geq Z$, $Q = Y$, $P > J$

- Conclusions :** I. $Z < P$
II. $P > Q$

187. **Statement :** $L \geq I$, $H > I \geq J$, $K < J$

- Conclusions :** I. $H > L$

II. $L > K$

188. **Statement :** $Q \geq P = Q$, $R < P$, $S < Q$

- Conclusions :** I. $R < S$
II. $O > S$

189. **Statement :** $D \geq E > F = G$, $E = H < J$

- Conclusions :** I. $J > D$
II. $G < J$

190. **Statement :** $J \geq R > Z$, $R > F < W$, $B > J$

- Conclusions :** I. $J > F$
II. $B > W$

Directions (191-196) : K, L, M, P, Q, R, S and T are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones who sit at the four corners face outside while those who sit in the middle of the sides face the centre of the table.

P sits third to the right of S. S faces the centre. Q sits third to the left of M. does not sit in the middle of the sides. Only one person sits between Q and R. R is not an immediate neighbour of M. T faces the centre. K is not an immediate neighbour of R.

191. What is position of M with respect to L ?

- (1) Third to the right
(2) M and L sit diagonally opposite to each other
(3) Second to the right
(4) Second to the left
(5) Fifth to the right

192. Who sits exactly between Q and R ?

- (1) T (2) P
(3) K (4) M
(5) S and K

193. Which of the following pairs represents the persons seated in the middle of the sides who face each other ?

- (1) S, Q
(2) K, L
(3) M, P
(4) R, T
(5) T, Q

194. Who amongst the following sit between R and K when counted in anti-clockwise direction from K ?

- (1) No one sits between R and K as R and K are immediate neighbours of each other
(2) S, P and L
(3) P and Q
(4) L and R
(5) M, S and T



195. If K is made to face the opposite direction, who would sit to his immediate right ?

- (1) R
- (2) Q
- (3) P
- (4) T
- (5) S

196. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?

- (1) L
- (2) M
- (3) K
- (4) P
- (5) R

Directions (197-200) : Read the following information and five statements given below it carefully and answer the questions which follow.

Exodus from rural areas to the urban hubs in search of job opportunities has now declined to nearly twenty-six percent of what it was at the turn of 21st century.

- (A) Since the last decade, 'the rural economy has transformed itself into a bankable, profit making and commercially viable venture
- (B) Job opportunities differ in urban and rural areas
- (C) The load on infrastructure and resources in the urban areas which had remained unmanageable for a long time has been eased a little since the last decade.
- (D) This trend of reverse migration which was seen only in developed countries till now has entered the scenes of developing nations as well
- (E) According to a recent report more than eighty percent of the professionals having roots in rural areas prefer to work in urban cities rather than their home villages.

197. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above represents an **effect** of the given information most appropriately ?

- (1) B
- (2) C
- (3) D
- (4) E
- (5) Either D or E

198. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above represents a **cause** of the given information most appropriately ?

- (1) E
- (2) D
- (3) C

- (4) B
- (5) A

199. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above represents an **assumption** most appropriately ? (An assumption is something supposed or taken for granted)

- (1) A
- (2) B
- (3) C
- (4) Both A and C
- (5) D

200. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above would **weaken/contradict** the facts presented in the paragraph ?

- (1) A
- (2) B
- (3) C
- (4) D
- (5) E

Directions (201-205) : Read the following information and answer the questions which follow :

Twelve friends A, B, C, D, E, F, G, H, I, J, K and L took birth in different months of the same year. J was born right after one month of the birth of K but right before the month of the birth of C. J neither born in October nor in February. L and B have a gap of two months between their birth. The month, in which L was born, was of 30 days. D was born right after one month of the birth of I. D took birth in the month of 31 days. There is a gap of one month between the birthdays of B and F. E and H was born in the month having 31 days.

201. In which of the following month B took birth?

- (1) December
- (2) June
- (3) March
- (4) November
- (5) September

202. Four out of the five are similar somehow, so they form a group. Which one is different from that group?

- (1) L
- (2) A
- (3) J
- (4) K
- (5) B

203. Which of the following was born in January?

- (1) J
- (2) L
- (3) E or H
- (4) C
- (4) I

204. How many people celebrate their birthdays after F?

- (1) None
- (2) 3
- (3) 4
- (4) 5
- (5) 6

205. If I has a specific relation with A and B with J based on their birth months, L will have that kind of relationship with which of the following as per the same basis?

- (1) G (2) 4
(3) K (4) E
(5) H

Directions (206-210) : Read the following information and answer the questions below :

Twelve people are sitting in two different parallel rows, six in each, in a manner that every one has the same distance from his neighbour : A, B, C, D, E and F are sitting in row one and they are facing towards East. P, Q, R, S, T and V are sitting in a row facing towards West. In this sitting arrangement, person sitting in one row keeps his face towards another one sitting in second row.

P, sitting on the end of a row, is second from the right of T. A does not keep his face towards P or T. A is third from the left of F. Only two people are sitting between Q and V. Only one person is sitting between C and D. Neither C nor D has his face towards P. B is sitting beside C. S, whose face is not towards H is not sitting near Q.

206. Towards which of the following F keeps his face?

- (1) Q (2) T
(3) S (4) R

(5) V

207. How many people are sitting between E and C?

- (1) 1 (2) 2
(3) 3 (4) 4
(5) None

208. E has the same relation with R as B has with S. On the same pattern with which of the following F has the relation?

- (1) V
(2) P
(3) T
(4) Q
(5) None of these

209. Which of the following is true regarding B?

- (1) Q is sitting on the left side of the man who is facing B
(2) C is not the nearest neighbour of B.
(3) E is second on the right of B.
(4) T is facing B.
(5) B is sitting second from the left end of the row.

210. Which of the following are sitting on the ends of the rows?

- (1) P, V (2) E, A
(3) D, E (4) P, S
(5) None of these

Answer Sheet

1. (5)	2. (3)	3. (3)	4. (3)	5. (4)	6. (5)	7. (5)	8. (5)	9. (2)	10. (5)
11. (5)	12. (4)	13. (1)	14. (4)	15. (5)	16. (1)	17. (5)	18. (2)	19. (1)	20. (2)
21. (5)	22. (2)	23. (4)	24. (2)	25. (2)	26. (4)	27. (2)	28. (2)	29. (5)	30. (1)
31. (4)	32. (1)	33. (2)	34. (3)	35. (1)	36. (4)	37. (5)	38. (3)	39. (4)	40. (3)
41. (1)	42. (1)	43. (2)	44. (1)	45. (3)	46. (4)	47. (5)	48. (3)	49. (2)	50. (5)
51. (5)	52. (1)	53. (2)	54. (1)	55. (3)	56. (3)	57. (4)	58. (2)	59. (5)	60. (4)
61. (2)	62. (3)	63. (1)	64. (4)	65. (2)	66. (4)	67. (5)	68. (4)	69. (2)	70. (1)
71. (2)	72. (4)	73. (5)	74. (3)	75. (1)	76. (2)	77. (4)	78. (5)	79. (3)	80. (2)
81. (1)	82. (4)	83. (1)	84. (2)	85. (5)	86. (3)	87. (4)	88. (5)	89. (1)	90. (5)
91. (2)	92. (4)	93. (4)	94. (3)	95. (4)	96. (3)	97. (2)	98. (5)	99. (1)	100. (5)
101. (4)	102. (1)	103. (5)	104. (1)	105. (1)	106. (5)	107. (3)	108. (2)	109. (2)	110. (3)
111. (3)	112. (3)	113. (2)	114. (3)	115. (5)	116. (5)	117. (3)	118. (5)	119. (2)	120. (2)
121. (4)	122. (4)	123. (5)	124. (2)	125. (5)	126. (2)	127. (1)	128. (3)	129. (4)	130. (3)
131. (4)	132. (3)	133. (2)	134. (2)	135. (1)	136. (4)	137. (2)	138. (4)	139. (4)	140. (3)
141. (5)	142. (4)	143. (5)	144. (5)	145. (5)	146. (4)	147. (3)	148. (1)	149. (2)	150. (1)
151. (1)	152. (1)	153. (4)	154. (5)	155. (3)	156. (2)	157. (1)	158. (3)	159. (1)	160. (5)
161. (5)	162. (2)	163. (1)	164. (5)	165. (1)	166. (3)	167. (1)	168. (3)	169. (5)	170. (5)
171. (3)	172. (4)	173. (1)	174. (1)	175. (5)	176. (2)	177. (5)	178. (4)	179. (4)	180. (3)
181. (2)	182. (2)	183. (4)	184. (5)	185. (5)	186. (5)	187. (2)	188. (2)	189. (2)	190. (1)
191. (5)	192. (2)	193. (5)	194. (3)	195. (4)	196. (5)	197. (3)	198. (4)	199. (3)	200. (5)
201. (5)	202. (4)	203. (3)	204. (4)	205. (1)	206. (5)	207. (2)	208. (5)	209. (4)	210. (3)

SOLUTIONS

91. (2) $|x - 45| = 40$

$\Rightarrow x - 45 = \pm 40$

$\Rightarrow x = 85 \text{ or } 5$

92. (4) $\{(3^2)^6\}^4 = 9^x$

$\Rightarrow 3^{48} = 3^{2x}$

$\Rightarrow 2x = 48$

$\Rightarrow x = 24$

93. (4) $\sqrt{289} = \sqrt{17 \times 17}$

$\Rightarrow \pm 17$

94. (3) $4^x \times \frac{x}{48} = 512$

$\Rightarrow 4^x \times x = 5120$

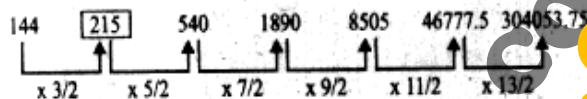
$\Rightarrow 4^x \times x = 4^5 \times 5$

$\Rightarrow x = 5$

95. (4) $\sqrt[4]{1296} = \sqrt[4]{2^4 \times 3^4}$

$\Rightarrow 2 \times 3 = 6$

99. (1)



100. (5)



101. (4) Let, the boys in the college are $31x$ and girls are $23x + 75$

$\therefore \frac{31x}{23x + 75} = \frac{124}{107}$

$\Rightarrow x = 20$

So, boys are $31 \times 20 = 620$

and girls are $23 \times 20 + 75 = 535$

So, $620 - 535 = 85$ girls should be join.

Ans.

102. (1) $C.I = P \left(1 + \frac{r}{100} \right)^n - P$

$\Rightarrow 2862 = P \left\{ \left(1 + \frac{12}{100} \right)^2 - 1 \right\}$

Ans.

$\Rightarrow 2862 = P \left\{ \left(\frac{28}{25} \right)^2 - 1 \right\}$

$\Rightarrow 2862 = P \times \frac{159}{625}$

Ans.

$\Rightarrow P = 11,250$

Ans.

103. (5) speed of the train

Ans.

$\Rightarrow \frac{280}{20} = 14 \text{ m/sec}$

Let, the length of the platform is x m.

$\therefore 60 = \frac{x + 280}{14}$

Ans.

$\Rightarrow x + 280 = 840$

$\Rightarrow x = 560 \text{ m}$

Ans.

104. (1) $x + 2x + 30 = 180$

Ans.

$\Rightarrow 3x = 150$

$\Rightarrow x = 50$

So, the greatest angle $= 2x = 2 \times 50 = 100^\circ$

Ans.

105. (1) Total no. of ways $= 2 \times 4$

$\Rightarrow 2 \times 4 \times 3 \times 2 \times 1 = 48$

Ans.

106. (5) Probability of being green $= \frac{{}^2C_2}{{}^{15}C_1}$

$\Rightarrow \frac{1}{105}$

Ans.

107. (3) Probability of being two blue and one yellow

$\Rightarrow \frac{{}^6C_2 \times {}^4C_1}{{}^{15}C_3} = \frac{15 \times 4}{5 \times 7 \times 13} = \frac{12}{91}$

Ans.

108. (2) Probability of getting 4 marbles which are 1 yellow

$\Rightarrow \frac{{}^{11}C_4}{{}^{15}C_4} = \frac{11 \times 10 \times 3}{105 \times 13} = \frac{22}{91}$

So, Prob. of getting 4 morbles at least one is yellow

$\Rightarrow 1 - \frac{22}{91} = \frac{69}{91}$

Ans.



109. (2) Prob. of being red or green

$$\rightarrow \frac{{}^3C_2 + {}^2C_1}{{}^{15}C_2} = \frac{3+1}{105} = \frac{4}{105}$$

Ans.

110. (3) Prob. of being one green, two blue and one red

$$\rightarrow \frac{{}^2C_1 \times {}^6C_2 \times {}^3C_1}{{}^{15}C_4} = \frac{2 \times 3 \times 5 \times 3}{15 \times 7 \times 13}$$

$$\rightarrow = \frac{6}{91}$$

Ans..

116. (5) Employees in Marketing dep.

$$= \frac{3250 \times 79.2}{360} = 715$$

$$\text{Male employees are} = \frac{715 \times 3}{5} = 429$$

Ans.

$$117. (3) \text{ Employs in H.R dept.} = \frac{3250 \times 36}{360} = 325$$

$$\text{Female employees in it are} = \frac{325 \times 13}{25} = 169$$

$$\text{And, employees in I.T. dept.} = \frac{3250 \times 57.6}{360} = 520$$

$$\text{male are} = \frac{520 \times 7}{10} = 364$$

So, ratio between then,

$$= 169:364$$

$$= 13:28$$

Ans.

$$118. (5) \text{ Employees in production dept.} = \frac{3250 \times 136.8}{360}$$

$$= 1235$$

$$\text{Male employees are} = \frac{1235 \times 4}{5} = 988$$

$$\text{So, its percentage} = \frac{988 \times 100}{1235} = 80\%$$

Ans.

119. (2) Employees in I.T. dept. = 520

$$\text{Females are} = \frac{520 \times 3}{10} = 156$$

Total employees in all department = 3250

% of Females in I.T. department

$$= \frac{156 \times 100}{3250} = 4.8\%$$

Ans.

120. (2) Total male employees are

$$\rightarrow \frac{325 \times 12}{25} + \frac{520 \times 7}{10} + \frac{1235 \times 4}{5} + \frac{715 \times 3}{5} + \frac{45 \times 6}{13}$$

$$= 156 + 356 + 988 + 429 + 210$$

$$= 2147$$

Ans.

121. (4) (i) $x^2 + 5x + 6 = 0$

$$\Rightarrow (x+2)(x+3) = 0$$

$$\Rightarrow x = -2 \text{ or } x = -3$$

$$(ii) y^2 + 3y + 2 = 0$$

$$\Rightarrow (y+1)(y+2) = 0$$

$$\Rightarrow y = -1 \text{ or } y = -2$$

$$\text{So, } x \leq y$$

122. (4) (i) $x^2 - 10x + 24 = 0$

$$(x-4)(x-6) = 0$$

$$\Rightarrow x = 4 \text{ or } x = 6$$

$$\Rightarrow x = 4 \text{ or } x = 6$$

$$(ii) y^2 - 9y + 20 = 0$$

$$\Rightarrow (y-4)(y-5) = 0$$

$$\Rightarrow y = 4 \text{ or } y = 5$$

$$\text{So, } x \leq y$$

123. (5) (i) $x^2 = 961$

$$\Rightarrow x = \sqrt{961}$$

$$\Rightarrow x = \pm 31$$

$$(ii) y = \sqrt{961}$$

$$\Rightarrow y = \pm 31$$

$$\text{So, } x = y$$

124. (2) (i) $x^2 - 72 = x$

$$\Rightarrow x^2 - x - 72 = 0$$

$$\Rightarrow (x-9)(x+8) = 0$$

$$x = 9 \text{ or } x = -8$$

$$(ii) y^2 = 64$$

$$\Rightarrow y = \pm 8$$

$$\text{So, } x \geq y$$

125. (5) (i) $x^2 - 463 = 321$

$$\Rightarrow x^2 = 784$$

$$\Rightarrow x = \pm 28$$

$$(ii) y^2 - 421 = 308$$

$$\Rightarrow y^2 = 729$$

$$\Rightarrow y = \pm 27$$

Relationship can not be established

126. (2) Approximate defaulters from Bank S in 2006

$$\Rightarrow \frac{29565 \times 21}{100} = 6208.65$$

= 6208 approx.

Ans.

127. (1) Defaulters from bank Q in year 2004

$$\Rightarrow 26345 \times \frac{9}{100} = 2371.05$$

and, defaulters from bank Q in year 2005

$$\Rightarrow \frac{27456 \times 8}{100} = 2196.48$$

So, difference = 2371 - 2196

$$= 175 \text{ approx}$$

Ans.

130. (3) Total defaulters from bank T in year 2007 and in year 2008

$$\Rightarrow \frac{36152 \times 19}{100} + \frac{35463 \times 18}{100}$$

$$\Rightarrow = 6868.88 + 6383.34 = 13252 \text{ approx}$$

Ans.

131. (4) The arrangement of the word PLANET will be

= NETPLA

So, letters between P and L are 3

132. (3) WORTHY

Arrangement in alphabetical order will be

HORTWY

So, two letters T and Y are unchanged

135. (1) The second, third, light and ninth letter of the word

CONFLICTED is

= O, N, T and F

meaningful word will be NOTE, TONE

146-147. always 19 give 21 84 for 62 14 worthy

Cause

Step I worthy always 19 give 21 for 62 14 Cause

Step II worthy give always 19 21 for 14 Cause 62 84

Step III worthy give for always 19 14 cause 21 62 84

Step IV worthy give for cause always 14 19 21 62 84

146. (4) 147. (3)

148-150. 50 62 tips on 67 how can 42 stay young. 17 89 forever 03

Step I Young 50 62 tips on 67 how can 42 stay 17 89 forever 03 89

Step II Young tips 50 62 on how can 42 stay 17 89 forever 03 67 89

Step III Young tips stay 50 on how can 42 17 forever 03 62 67 89

Step IV Young tips stay on how can 42 17 forever 03 62 67 89

Step V Young tips stay on how forever can 17 03 62 67 89

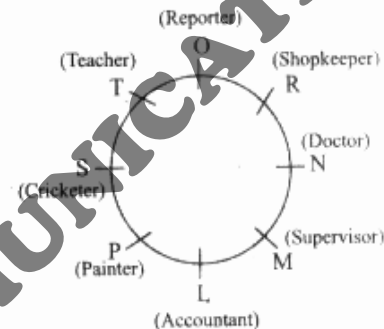
Step VI Young tips stay on how forever can 03 17 03 62 67 89

148. (1)

149. (2)

150. (1)

151-155 : The sitting arrangement will be



151. (1) 152. (1) 153. (4) 154. (5) 155. (3)

156-160. to = di, hope = so, sec = na, you = re
the party = fi zo, come = ge, please = ke

156. (2) 157. (1) 158. (3) 159. (1) 160. (5)

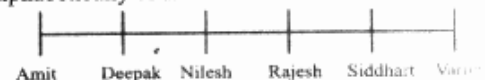
166-168. The system of arrangement will be

Name	Branch	Game
Deepak	Electrical	Football
Varun	Hardware	Tennis
Anit	Metrology	Swimming
Nilesh	Telecommunication	Badminton
Rajesh	Software	Hockey
Sidharth	Mechanical	Cricket

from above arrangement

166. (3) 167. (1) 168. (3)

169-170. The sitting arrangement towards North alphabetically order is



169. (5)

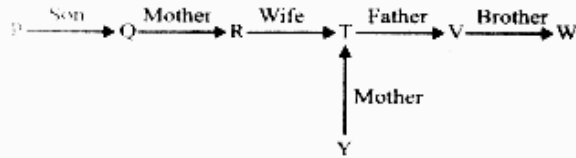
170. (5)

171-173. The schedule will be as follow

Friends	Time
F	10
D	20
A	30
C	40
B	50
E	60

170. (3) 171. (4) 172. (1) 173. (1)

182-184 :

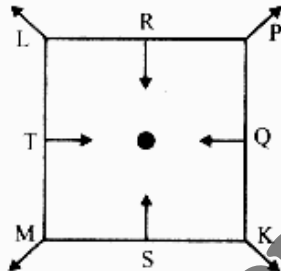


182. (2)

183. (4)

184. (5)

191-196 : the sitting arrangement will be



191. (5) 192. (2) 193. (5) 194. (3)

195. (1) 196. (5)

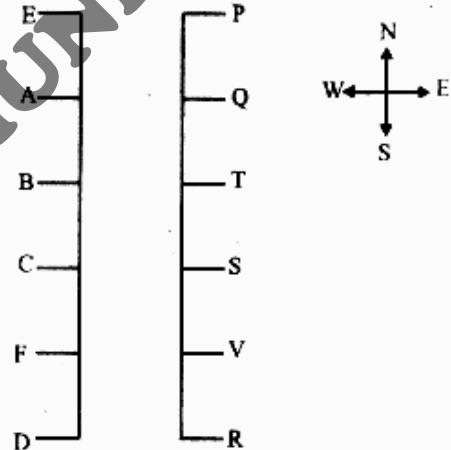
197-200 :

201-205. The table will be as follow :

Jan	E or H
Feb	I
March	D
April	A
May	E or H
June	L
July	F
August	G
September	B
October	K
November	J
December	C

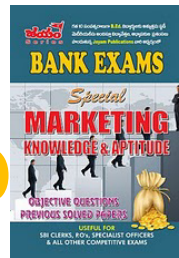
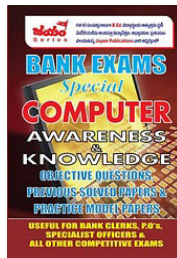
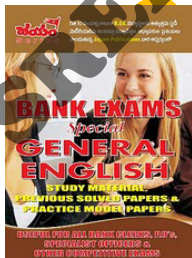
201. (5) 202. (4) 203. (3) 204. (4) 205. (1)

206-210. The sitting arrangement will be as follow.



from table

206. (5) 207. (2) 208. (5) 209. (4) 210. (3)



JAYAM SERIES

16-2-875/1, Sayeedabad, Hyderabad - 500059, Cell: 9849200706

Part I : General Awareness : Previous Year Question Pattern for RBI Grade 'B' Officer Recruitment 2010

1. Article 17 of the constitution of India provides for
 - (a) equality before law.
 - (b) equality of opportunity in matters of public employment.
 - (c) abolition of titles.
 - (d) abolition of untouchability.
2. Article 370 of the constitution of India provides for
 - (a) temporary provisions for Jammu & Kashmir.
 - (b) special provisions in respect of Nagaland.
 - (c) special provisions in respect of Manipur.
 - (d) provisions in respect of financial emergency.
3. How many permanent members are there in Security Council?
 - (a) Three
 - (b) Five
 - (c) Six
 - (d) Four
4. The United Kingdom is a classic example of a/an
 - (a) aristocracy.
 - (b) absolute monarchy
 - (c) constitutional monarchy
 - (d) polity.
5. Social Contract Theory was advocated by

- (a) Hobbes, Locke and Rousseau.
- (b) Plato, Aristotle and Hegel.
- (c) Mill, Bentham and Plato.
- (d) Locke, Mill and Hegel.

6. The Speaker of the Lok Sabha is elected by the

- (a) President
- (b) Prime Minister.
- (c) Members of both Houses of the Parliament.
- (d) Members of the Lok Sabha.

7. Who is called the 'Father of History'?

- (a) Plutarch
- (b) Herodotus
- (c) Justin
- (d) Pliny

8. The Vedas are known as

- (a) Smriti.
- (b) Sruti.
- (c) Jnana.
- (d) Siksha.

9. The members of Estimate Committee are

- (a) elected from the Lok Sabha only.
- (b) elected from the Rajya Sabha only.
- (c) elected from both the Lok Sabha and the Rajya Sabha.
- (d) nominated by the Speaker of the Lok Sabha.

10. Who is the chief advisor to the Governor?

- (a) Chief Justice of the Supreme Court.
- (b) Chief Minister.
- (c) Speaker of the Lok Sabha.
- (d) President.

11. Foreign currency which has a tendency of quick migration is called

- (a) Scarce currency.
- (b) Soft currency.
- (c) Gold currency.
- (d) Hot currency.

12. Which of the following is a better measurement of Economic Development?

- (a) GDP
- (b) Disposable income
- (c) NNP
- (d) Per capita income

13. In India, disguised unemployment is generally observed in

- (a) the agriculture sector.
- (b) the factory sector.
- (c) the service sector.
- (d) All these sectors.

14. If the commodities manufactured in Surat are sold in Mumbai or Delhi then it is

- (a) Territorial trade.
- (b) Internal trade.
- (c) International trade.
- (d) Free trade.

15. The famous slogan "GARIBI HATAO" (Remove Poverty) was launched during the

- (a) First Five-Year Plan (1951-56)
- (b) Third Five-Year Plan (1961-66)
- (c) Fourth Five-Year Plan (1969-74)
- (d) Fifth Five-Year Plan (1974-79)

16. Bank Rate refers to the interest rate at which

- (a) Commercial banks receive deposits from the public
- (b) Central bank gives loans to Commercial banks.
- (c) Government loans are floated.
- (d) Commercial banks grant loans to their customers.

17. All the goods which are scarce and limited in supply are called

- (a) Luxury goods.

- (b) Expensive goods.
- (c) Capital goods.
- (d) Economic goods.

18. The theory of monopolistic competition is developed by

- (a) E.H.Chamberlin
- (b) P.A.Samuelson
- (c) J.Robinson
- (d) A.Marshall

19. Smoke is formed due to

- (a) solid dispersed in gas.
- (b) solid dispersed in liquid.
- (c) gas dispersed in solid.
- (d) gas dispersed in gas.

20. Which of the following chemical is used in photography?

- (a) Aluminum hydroxide
- (b) Silver bromide
- (c) Potassium nitrate
- (d) Sodium chloride.

21. Gobar gas (Biogas) mainly contains

- (a) Methane.
- (b) Ethane and butane.

(c) propane and butane.

(d) methane, ethane, propane and propylene.

22. Preparation of 'Dalda or Vanaspati' ghee from vegetable oil utilises the following process

(a) Hydrolysis

(b) Oxidation

(c) Hydrogenation

(d) Ozonolysis

23. Which colour is the complementary colour of yellow?

(a) Blue

(b) Green

(c) Orange

(d) Red

24. During washing of cloths, we use indigo due to its

(a) better cleaning action.

(b) proper pigmental composition.

(c) high glorious nature.

(d) very low cost.

25. Of the following Indian satellites, which one is intended for long distance telecommunication and for transmitting TV programmes?

(a) INSAT-A

(b) Aryabhata

(c) Bhaskara

(d) Rohini

26. What is the full form of 'AM' regarding radio broadcasting?

- (a) Amplitude Movement
- (b) Anywhere Movement
- (c) Amplitude Matching
- (d) Amplitude Modulation.

27. Who is the author of Gandhi's favorite Bhajan Vairi nava jana to tene kahiye?

- (a) Purandar Das
- (b) Shyamal Bhatt
- (c) Narsi Mehta
- (d) Sant Gyaneshwar

28. Which one of the following is not a mosquito borne disease?

- (a) Dengu fever
- (b) Filariasis
- (c) Sleeping sickness
- (d) Malaria

29. What is the principal ore of aluminium?

- (a) Dolomite
- (b) Copper
- (c) Lignite
- (d) Bauxite

30. Which country is the facilitator for peace talks between the LTTE and the Sri Lankan Government?

- (a) The US
- (b) Norway
- (c) India
- (d) The UK

31. The highest body which approves the Five-Year Plan in India is the

- (a) Planning Commission
- (b) National Development Council
- (c) The Union Cabinet
- (d) Finance Ministry

32. Ceteris Paribus is Latin for

- (a) "all other things variable"
- (b) "other things increasing"
- (c) "other things being equal"
- (d) "all other things decreasing"

33. Who has been conferred the Dada Saheb Phalke Award (Ratna) for the year 2007?

- (a) Dev Anand
- (b) Rekha
- (c) Dilip Kumar

(d) Shabana Azmi

34. Purchasing Power Parity theory is related with

- (a) Interest Rate.
- (b) Bank Rate.
- (c) Wage Rate.
- (d) Exchange Rate.

35. India's biggest enterprise today is

- (a) the Indian Railways.
- (b) the Indian Commercial Banking System.
- (c) the India Power Sector.
- (d) the India Telecommunication System.

36. The official agency responsible for estimating National Income in India is

- (a) Indian Statistical Institute.
- (b) Reserve Bank of India.
- (c) Central Statistical Organisation.
- (d) National Council for Applied Economics and Research.

37. Which of the following has the sole right of issuing currency (except one rupee coins and notes) in India?

- (a) The Governor of India
- (b) The Planning Commission
- (c) The State Bank of India

(d) The Reserve Bank of India

38. In the budget figures of the Government of India the difference between total expenditure and total receipt is called.

- (a) Fiscal deficit
- (b) Budget deficit
- (c) Revenue deficit
- (d) Current deficit

39. Excise duty on a commodity is payable with reference to its

- (a) production.
- (b) production and sale.
- (c) Production and transportation.
- (d) Production, transportation and sale.

40. In the US, the President is elected by

- (a) The Senate.
- (b) Universal Adult Franchise.
- (c) The House of Representatives.
- (d) The Congress.

41. Fascism believes in

- (a) Peaceful change
- (b) Force
- (c) Tolerance
- (d) Basic Rights for the individual

42. Which is the most essential function of an entrepreneur?

- (a) Supervision
- (b) Management
- (c) Marketing
- (d) Risk bearing

43. Knowledge, technical skill, education 'etc.' in economics, are regarded as

- (a) social-overhead capital.
- (b) human capital.
- (c) tangible physical capital.
- (d) working capital.

44. What is the range of Agni III, the long-range ballistic missile, test-fired by India recently?

- (a) 2,250 km
- (b) 3,500 km
- (c) 5,000 km
- (d) 1,000 km

45. Nathu Laa, a place where India-China border trade has been resumed after 44 years, is located on the Indian border in

- (a) Sikkim.
- (b) Arunachal Pradesh.
- (c) Himachal Pradesh
- (d) Jammu and Kashmir.

46. M. Damodaran is the

- (a) Chairman, Unit Trust of India.
- (b) Deputy Governor of Reserve Bank of India.
- (c) Chairman, Securities and Exchange Board of India.
- (d) Chairman, Life Insurance Corporation of India.

47. What is the name of the Light Combat Aircraft developed by India indigenously?

- (a) BrahMos
- (b) Chetak
- (c) Astra
- (d) Tejas

48. Who is the Prime Minister of Great Britain?

- (a) Tony Blair
- (b) Jack Straw
- (c) Robin Cook
- (d) Gordon Brown.

49. The 2010 World Cup Football Tournament will be held in

- (a) France.
- (b) China.
- (c) Germany.
- (d) South Africa.

50. Who is the present Chief Election Commissioner of India?

- (a) Navin Chawla
- (b) N.Gopalswamy
- (c) T.S.krishnamoorthy
- (d) B.B.Tandon

51. The title of the book recently written by Jaswant Singh, former Minister of External Affairs, is

- (a) A call of Honour – In the Service of Emergent India
- (b) Whither Secular India?
- (c) Ayodhya and Aftermath
- (d) Shining India and BJP.

52. What was the original name of "Nurjahan"?

- (a) Jabunnisa
- (b) Fatima Begum
- (c) Mehrunnisa
- (d) Jahanara

53. Which of the following pairs is not correctly matched ?

- (a) Lord Dalhousie- Doctrine of Lapse
- (b) Lord Minto- Indian Councils Act, 1909
- (c) Lord Wellesley- Subsidiary Alliance
- (d) Lord Curzon- Vernacular Press Act, 1878

54. The province of Bengal was partitioned into two parts in 1905 by

- (a) Lord Lytton.

- (b) Lord Ripon.
- (c) Lord Dufferin.
- (d) Lord Curzon.

55. The essential features of the Indus Valley Civilization was

- (a) worship of forces of nature.
- (b) organized city life.
- (c) pastoral farming.
- (d) caste society.

56. Name the capital of Pallavas.

- (a) Kanchi.
- (b) Vattapi.
- (c) Trichnapalli.
- (d) Mahabalipuram.

57. The Home Rule League was started by

- (a) M.K.Gandhi
- (b) B.G.Tilak
- (c) Ranade
- (d) K.T.Telang

58. The Simon Commission was boycotted by the Indians because

- (a) it sought to curb civil liberties.
- (b) it proposed to partition India.

(c) it was an all-white commission Indian representation.

(d) it proposed measures for nationalism.

59. Storm of gases are visible in the chamber of the sun during

(a) Cyclones

(b) Anti-cyclones

(c) Lunar-eclipse

(d) Solar eclipse.

60. The Indian Councils Act of 1909 is associated with

(a) The Montagu Declaration.

(b) The Montagu- Chelmsford Reforms.

(c) The Morley-Minto Reforms.

(d) The Rowlatt Act.

61. The age of tree can be determined more or less accurately by

(a) counting the number of branches.

(b) measuring the height of the tree.

(c) measuring the diameter of the trunk.

(d) counting the number of rings in the trunk.

62. Of all micro-organisms, the most adaptable and versatile are

(a) Viruses

(b) Bacteria

(c) Algae d) Fungi

63. What is an endoscope?

- (a) It is an optical instrument used to see inside the alimentary canal
- (b) it is device which is fitted on the chest of the patient to regularize the irregular heart beats
- (c) It is an instrument used for examining ear disorders
- (d) It is an instrument for recording electrical signals produced by the human muscles.

64. The disease in which the sugar level increase is known as

- (a) Diabetes mellitus
- (b) Diabetes insipidus
- (c) Diabetes imperfectus
- (d) Diabetes sugarensis

65. The President of India is elected by

- (a) members of both Houses of the Parliament.
- (b) members of both houses of Parliament of State Legislatures.
- (c) members of both Houses of the State Legislative Assemblies.
- (d) Elected members of both Houses of the Parliament and members of Legislative Assemblies.

66. The nitrogen present in the atmosphere is

- (a) of no use to plants.
- (b) injurious of plants.
- (c) directly utilized by plants.
- (d) utilized through micro-organisms.

67. Diamond and Graphite are

- (a) allotropes
- (b) isomorphous
- (c) isomers
- (d) isobars

68. Kayak is kind of

- (a) tribal tool.
- (b) boat.
- (c) ship.
- (d) weapon.

69. Which of the following has the highest calorific value?

- (a) Carbohydrates
- (b) fats
- (c) Proteins
- (d) Vitamins.

70. Rotation of crops means

- (a) growing of different crops in succession to maintain soil fertility.
- (b) some crops are growing again and again.
- (c) two or more crops are grown simultaneously to increase productivity.
- (d) None of these.

71. Suez Canal connects

- (a) Pacific Ocean and Atlantic Ocean.
- (b) Mediterranean Sea and Red Sea.
- (c) Lake Huron and Lake Erie.
- (d) Lake Erie and Lake Ontario.

72. Which of the following ports has the largest hinterland?

- (a) Kandla
- (b) Kochi
- (c) Mumbai
- (d) Vishakhapatnam.

73. "Slash and Burn agriculture" is the name given to

- (a) method of potato cultivation.
- (b) process of deforestation.
- (c) mixed farming.
- (d) shifting cultivation.

74. The main reason for deforestation in Asia is

- (a) excessive fuel wood collection.
- (b) excessive soil erosion.
- (c) floods.
- (d) construction of roads.

75. Recharging of water table depends on

- (a) amount of rainfall.

(b) relief of the area.

(c) vegetation of the area.

(d) amount of percolation.

Answers Part – I :

1. (d) 2. (d) 3. (b) 4. (c) 5. (a)

6. (d) 7. (b) 8. (b) 9. (a) 10. (b)

11. (d) 12. (a) 13. (a) 14. (b) 15. (c)

16. (a) 17. (d) 18. (a) 19. (a) 20. (b)

21. (a) 22. (b) 23. (b) 24. (a) 25. (d)

26. (c) 27. (c) 28. (d) 29. (d) 30. (a)

31. (c) 32. (c) 33. (c) 34. (a) 35. (c)

36. (d) 37. (b) 38. (a) 39. (a) 40. (b)

41. (d) 42. (a) 43. (b) 44. (a) 45. (c)

46. (c) 47. (d) 48. (d) 49. (b) 50. (a)

51. (c) 52. (d) 53. (d) 54. (b) 55. (a)

56. (b) 57. (c) 58. (d) 59. (c) 60. (d)

61. (a) 62. (a) 63. (a) 64. (d) 65. (d)

66. (a) 67. (b) 68. (b) 69. (a) 70. (b)

71. (d) 72. (d) 73. (a) 74. (d) 75. (a)

English*****

Grade B Exam Paper asked in Year 2009 for ENGLISH LANGUAGE PAPER :

Direction (Qs. 1 to 5) : Which of the phrases (1), (2), (3) and (4) given below each sentence should replace the phrase printed in bold in the given sentence to make it grammatically correct? If the sentence is correct as it is and no correction is required, then mark your answer as (5) :

1. Ultimately he received the honour he **deserve**.

- (1) Gained the honour he **deserve**
- (2) Received the honour he **deserves**
- (3) Received the honour he **deserved**
- (4) Bags the honour he **deserve**
- (5) No correction required

Ans: (3) Received the honour he **deserved**

2. I am totally **opposite** in the statement of some of our Managers.

- (1) Totally **oppose** to the
- (2) Absolutely **oppose** by the
- (3) Totally **opposed** to the
- (4) Completely **opposed** in the
- (5) No correction required

Ans: (3) Totally **opposed** to the

3. Gayatri turned down the job offer to **accommodate** her friend.

- (1) Job offered in **accommodate**
- (2) Job offers for **accommodate**
- (3) Job offer to **accommodating**
- (4) Job offer in **accommodate**

(5) No correction required

Ans: (5) No correction required

4. She was informed that everyone of them are aware of the fact.

(1) Were aware of

(2) Are aware of

(3) Was aware of

(4) Is aware of

(5) No correction required

Ans: (3) Was aware of

5. She has being venturing into areas which she had always avoided in the past.

(1) Has been venturing into

(2) Has venturing into

(3) Would venturing into

(4) Had venturing into

(5) No correction required

Ans: (1) Has been venturing into

Directions (Qs. 6 to 10) : Read each sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part will be your answer. If there is no error (ignore errors of punctuation, if any), then your answer will be (5).

6. They never thought (1) / that Joshi is (2) / oldest than the other (3) / Professors in the Faculty. (4) / No error (5)

Ans: (3)

7. Taken into consideration (1) / the advice of his (2) / colleagues he decided (3) / to stay in the Institute. (4) / No error (5)

Ans: (1)

8. I am likely contact (1) / you sometime in (2) / next week to (3) / discuss with you in detail. (4) / No error (5)

Ans: (1)

9. The police has making (1) / every effort to provide (2) / best help and (3) / attention to each citizen. (4) / No error (5)

Ans: (1)

10. He cannot withdraw (1) / all his money (2) / unless he do not (3) / give advance notice. (4) / No error (5)

Ans: (3&4)

Directions (Qs. 11 to 25) : Read the following passage to answer these questions given below it. Certain words / phrases have been printed in bold to help you locate them while answering some of the questions :

The suicide attacks by militant Palestinian groups **killing** large numbers of Israeli civilians and the harsh Israeli response, have raised the renewed hopes of peace in the region. It is Arafat's leadership and authority that are being severely tested in the latest phase of the west Asian crisis. By accusing the Palestinian Authority (PA) of supporting terrorism by groups, Israel hopes to put pressure on Arafat to act. Arafat, on the other hand, has never looked a less powerful force than he does today. If he acts against the militants and elements in his own Fatah movement sympathetic to them, he risks a Palestinian civil conflict. But if he chooses to do nothing, he faces erosion of his authority and all claim to a central role in the peace process. Whatever he does, sections of the Palestinians will hold that he has gone too far and Israel that he has not gone far enough. This is, of course, why Arafat has invariably shrunk from hard decision. He has refrained from curbing the militant groups, explaining his inaction as necessary to maintain Palestinian unity.

The Palestinian leadership's inability to improve economic conditions for its people has been a decisive factor in the erosion of its ability to act. Palestinians in Gaza have targeted the PA as being responsible for their condition. The Militant organizations have capitalized on the PA's failure to establish a functioning administrative infrastructure by setting up a parallel welfare system with the help of the millions of dollars. Though the Palestinian security forces claim to have arrested more than 100 militants after the suicide bomb attacks in Israel, the other similar militant groups remain defiant, confident of their popular support and of the certainty that in the ultimate analysis the PA leadership will stop short of decisive action against them. That the militant groups enjoy popular support in Gaza is hardly surprising. The Gaza Strip today resembles a vast prison camp in which some 1.2 million Palestinians are crammed. Despite the Oslo Accord, 7000 Israeli settlers still remain in 20 percent of the Gaza's area and are protected by heavily armed Israeli forces. With its recent blockade of and extensive incursion into PA controlled territories, the Israeli government has placed the whole civil society in Palestine under siege. Over 450 NGOs, eight universities and numerous other educational, civic, social, developmental and health institutions have had their work impeded and their vital services to the population blocked. An international conference on Israel's treatment of human rights in West Bank and Gaza, attended by signatories to the 1949 Geneva Conventions, that has opened in Switzerland overriding Israeli and American protests, is expected to censor Israel for its treatment of civilians in the Palestinian territories. Arafat's standing among Palestinians rests on the authority conferred on the PA by the international community to represent and speak for the Palestinians. Even the major militant group has so far never openly challenged Arafat's leadership. Israel's latest vicious attacks directed against the PA and Arafat present the international community with the danger that this precarious balance of power in the Palestinian community may be destroyed. Continuation of the Israeli attacks can only further radicalize and harden the attitudes of ordinary Palestinians. On the other hand, Israeli moves to freeze further expansion of Jewish settlements in the West Bank and Gaza and, as soon as security conditions permit it, ease the economic blockade of Palestinian towns? however remote such measures appear just now? alone can restore the authority of the PA and give it a chance to get a grip on Palestinian militancy.

11. Which of the following factors have raised the hope for peace in West Asia?

- A. Killings of Israeli civilians
- B. Harsh response of Israelites
- C. Revocation of Oslo Accord

(1) Only A and C

(2) Only B and C

(3) Both A and B

(4) Either A or B

(5) None of these

Ans: (3) Both A and B

12. Which of the following explains the lack of action on the part of Palestinian leader?

(1) He fears the army action against him

(2) This according to him will fasten peace process

(3) He feels that this step will keep Palestinians united

(4) He is seriously worried about the degeneration of his power base

(5) None of these

Ans: (4) He is seriously worried about the degeneration of his power base

13. What is ultimate analysis of other similar militant groups?

(1) The PA leadership will only act if a definite forceful action is taken on the PA

(2) The suicidal attacks will only aggravate the situation

(3) The PA leadership should be changed

(4) The action on the Palestinians was justified

(5) None of these

Ans: (5) None of these

14. Which of the following words is just opposite in meaning to the word impeded as used in the passage?

(1) Hindered

(2) Facilitated

(3) Felicitated

(4) Stopped

(5) Courage

Ans: (1) Hindered

15. What does the word overriding mean as used in the passage?

(1) Notwithstanding

(2) Concurring

(3) Welcoming

(4) Criticizing

(5) None of these

Ans: (1) Notwithstanding

16. Which of the following best describes the meaning of the word challenged as used in the passage?

(1) Questioned

(2) Accepted

(3) Attacked

(4) Scared

(5) None of these

Ans: (1) Questioned

17. Which of the following is the most similar word to accusing as used in the passage?

(1) Abusing

(2) Blaming

(3) Charging

(4) Responding

(5) Praising

Ans: (2) Blaming

18. Which of the following is the expected outcome of international Conference which is in progress in Switzerland?

- (1) To revoke 1949 Geneva Convention
- (2) Impose censorship on propaganda of PA
- (3) To build cordial relations between Conflicting parties
- (4) To put a curb on Israel's policies while treating civilians in an alien territory
- (5) None of these

Ans: (3) To build cordial relations between Conflicting parties

19. Which of the following best explains the word vicious as used in the passage?

- (1) Dangerous
- (2) Fatal
- (3) Reoccurring and cyclic
- (4) Cyclic but not reoccurring
- (5) None of these

Ans: (3) Reoccurring and cyclic

20. Which of the following best explains the word remote as used in the passage?

- (1) Far away from reality
- (2) Distant
- (3) Most likely to happen
- (4) Control in someone else's hand
- (5) None of these

Ans: (1) Far away from reality

21. Who according to the passage conferred the authority to PA?

- (1) Arafat
- (2) Israel
- (3) Militant groups
- (4) International community
- (5) None of these

Ans: (4) International community

22. Which of the following can restore the degenerating authority of the PA?

- A. Arresting the expansion of Jewish settlements
- B. Easening the economic blockade of Palestinian towns

- (1) Only A
- (2) Only B
- (3) Either A or B
- (4) Both A and B together
- (5) Neither A or B

Ans: (4) Both A and B together

23. Which of the following is the most opposite in meaning as the word shrunk as used in the passage?

- (1) Coming forward
- (2) Abdicating
- (3) Control
- (4) Expand

(5) None of these

Ans: (1) Coming forward

24. What may be the affect of continuous Israeli attack.?

(1) It may harness a negative attitude amongst the civil Palestinians

(2) It may destroy militancy from its basic roots

(3) It may revitalize the weakening leadership of the PA

(4) It may enhance militant activities

(5) None of these

Ans: (4) It may enhance militant activities

25. What dangers are being perceived by the International Community?

(1) Both the nations may get destroyed if war erups

(2) The PA and Israel will never strike a deal

(3) The attacks against the PA may destroy the balance of power in Palestinians

(4) The militancy may spread in other countries also

(5) None of these

Ans: (3) The attacks against the PA may destroy the balance of power in Palestinians

Directions (Qs. 26 to 35) : In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case: Whatever prosperity India enjoyed in the seventeenth century disappeared when the Mughal Empire ???(26) apart. The most immediate cause of this breakdown was the religious intolerance, which led to the open rebellion. It was to ???(27) these revolts that the bigot ruler spent ???(28) years in the field, with immense armies consuming the revenues of the country. There were, however, more deep-seated ???(29) The corruption of officials and the oppression of the masses steadily ???(30) away the empire's life blood. For sometime, there had been a noticeable deterioration in the character of the ruling class. Wars of succession ???(31) wiped out the leading families, and new blood from central Asia was no ???(32)

recruited for the higher governmental posts. Finally, the Mughal Empire was an alien regime. It continues to be so ???(33) Akbar? policy of conciliation was abandoned, and it wore itself out trying to maintain its power ???(34) the ceaseless opposition only now and then overt but always present, of the ???(35) citizens.

26. (1) Joined

(2) Broke

(3) Dashed

(4) Banged

(5) Became

Ans: (2) Broke

27. (1) Run out

(2) Crash

(3) Crush

(4) Cajole

(5) Motivate

Ans: (3) Crush

28. (1) No

(2) Hardly

(3) Many

(4) Inexpensive

(5) Most

Ans: (3) Many

29. (1) Variables

(2) Attributes

(3) Characteristics

(4) Causes

(5) Affect

Ans: (4) Causes

30. (1) Drained

(2) Gone

(3) Sucked

(4) Released

(5) Went

Ans: (1) Drained

31. (1) Has

(2) Have

(3) Was

(4) Did

(5) Had

Ans: (5) Had

32. (1) Longer

(2) Pumped

(3) Far

(4) Candidate

(5) Shorter

Ans: (1) Longer

33. (1) At

(2) Into

(3) Over

(4) After

(5) Before

Ans: (4) After

34. (1) Far

(2) At

(3) Against

(4) Favouring

(5) For

Ans: (3) Against

35. (1) Discontented

(2) Weeping

(3) Ruling

(4) Calm

(5) Contented

Ans: (1) Discontented

Directions (Qs. 36 to 40) : Pick out the most effective word/phrase from the given words to fill in the blanks to make the sentences meaningfully complete:

36. Tiwari's well-wishers went to the extreme to _____ his business reputation.

- (1) Speak
- (2) Enhance
- (3) Cajole
- (4) Provoke
- (5) Advocate

Ans: (2) Enhance

37. A group of junior college boys _____ the highest peak of the Shivalik range of the Himalayas.

- (1) Scaled
- (2) Walked
- (3) Climb up
- (4) Avoided
- (5) Won

Ans: (1) Scaled

38. A special programme to raise the standard of living of the village folks has been _____ by the Government.

- (1) Affixed
- (2) Stalled
- (3) Glued
- (4) Launched
- (5) Propose

Ans: (4) Launched

39. A herd of elephants _____ ready to attack the lion.

(1) Were

(2) Is

(3) Was

(4) Are

(5) Has been

Ans: (2) Is

40. It is not possible this year to run this company with so many employees, without increasing the _____ of deficit.

(1) Loss

(2) Altitude

(3) Gain

(4) Magnitude

(5) Extend

Ans: (4) Magnitude

2009
Test-I
General Awareness

1. Which of the following statements about the BRIC countries is **not correct** ?
 - (A) The four BRIC countries encompass over 25% of the world's land and 40% of world's population. They also hold a combined GDP (PPP) of about 15 trillion US \$
 - (B) These four BRIC countries are the biggest and fastest growing/emerging global markets
 - (C) As per an indication, in 2009 the Gross Domestic Product (GDP) of the BRIC countries will come down by a whopping 36% as compared to last year
 - (D) The BRIC countries can contribute to build a harmonious world of lasting peace and common prosperity
 - (E) The first summit of the BRIC was held in June 2009 in Russia
- (C) The most promising growth of about 6 to 7.5% would be in the agriculture sector which contribute around 60-70 per cent in the total GDP of India
- (D) Service sector which is a stronghold of the economy is also likely to grow at the rate of 13% during the year
- (E) All statements are correct
4. Which of the following is/are the reasons owing to which about 105 million new people are added in the list of Hungry people and the total number of the same has reached to about 1 billion ?
 1. Unprecedented increase in food prices, particularly in poor nations.
 2. Cut in the supply of foodgrains to poor nations by many European countries.
 3. Sudden increase in population of the countries like Uganda, Ethiopia, Sudan

- build a harmonious world of lasting peace and common prosperity
- (E) The first summit of the BRIC was held in June 2009 in Russia
2. The cheap imports from which of the following countries is giving a tough competition to Small and Medium Enterprises in India specially when the global economic slow down and weak domestic demand have already affected companies across sectors ?
- (A) China (B) S. Korea
(C) Japan (D) Russia
(E) None of these
3. Which of the following statements about the Growth of Indian Economy in 2009-10 or the part of it, is correct ?
- (A) Economy grew by 5-8 per cent during the period of January-March 2009
(B) India's growth estimates prepared by the Reserve Bank of India (RBI) say that the growth would be in the band of 8-5 to 10-0 per cent during the year 2009-10
6. As per the projections made by the Reserve Bank of India (RBI), the credit flow expansion during the current financial year should be of the tune of—
- (A) 10% (B) 15%
(C) 30% (D) 25%
(E) 20%
7. As we all know Govt. of India is giving much emphasis these days on the development of Small and Medium Enterprises (SMEs). Which of the following statements reflect the importance of SME sector in Indian economy ?
1. The Govt. is following a policy of keeping some items reserved for SMEs only. Hence, a good number of items for local consumption come from these alone.
 2. The main advantages of SME are reduction of regional imbalances, low investment, greater operational flexibility and low production cost. This helps in good control over prices of such items in local markets.
 3. A very large number of people are employed in this sector and this sector is the second largest employer in India, after agriculture.
 2. Cut in the supply of foodgrains to poor nations by many European countries.
 3. Sudden increase in population of the countries like Uganda, Ethiopia, Sudan and Namibia etc. as many refugees have taken shelter there..
- (A) Only 1 (B) Only 2
(C) Only 3 (D) All 1, 2 and 3
(E) None of these
5. Which of the following statements about the Reforms introduced in Pension sector is/are correct ?
1. Govt. has allowed 26% Foreign Direct Investment (FDI) in the pension sector.
 2. A new regulatory and development authority to monitor pension sector is set up.
 3. Only three banks HDFC Bank, Vysya Bank and Axis Bank are appointed as fund managers of the pension funds.
- (A) Only 1 (B) Only 2
(C) All 1, 2 and 3 (D) Only 2 and 3
(E) Only 1 and 2
- domestically the dollars they have earned from USA.
- (A) Only 1 (B) Only 2
(C) Only 3 (D) Only 1 and 3
(E) All 1, 2 and 3
9. As reported in some major financial newspapers/magazines, the Private Equity (PE) investments into India for the quarter ending March 2009 have dropped by a whopping 87%. What is Private Equity (PE) and why is it so important for our economy ?
1. The PE is the purchase of a majority or total ownership in an operating company.
 2. The purchase is done normally through institutional investors like banks or insurance companies. They are avoiding such investments these days.
 3. Private Equity stake gives a chance to the stake holders to have a better control over its management and crucial functions.
- (A) Only 1 (B) Only 2
(C) All 1, 2 and 3 (D) Only 2 and 3
(E) Only 1 and 2
10. Which of the following is/are the Non-Tax Revenue components of the Union Budget of India ?

- are second largest employer in India, after agriculture.
- (A) Only 1 (B) Only 2
(C) Only 3 (D) All 1, 2 and 3
(E) None of these
8. After the latest global slowdown and financial crisis, a debate is going on, on 'Dollar Hegemony'. What does it really mean ? in simple terms—
1. it is the trade practice prevalent all over the world in which USA provides dollars and the rest of the world manufactures the commodities which dollars can purchase.
 2. it is the situation in which all the nations are forcefully required to evaluate their local currencies against the value of the dollars. Hence countries are forced to keep as many dollars as they can to operate safely in global markets.
 3. now economists all over the world are trying to find out a solution to come out of this dollar trap as this hegemony prevents exporting nations from spending
- (A) Only 1 (B) Only 2
(C) Only 3 (D) Only 1 and 3
(E) All 1, 2 and 3
13. As we all know, a Committee on Financial Sector Assessment (CFSA) was set up in 2006 under the Chairmanship of Dr. Rakesh Mohan. What were its major observations ?
1. The banks in India are in a good position to absorb shocks due to credit, liquidity and market risks.
 2. It is found that the financial sector is generally sound, and fairly liquid. However, cooperative sector needs some strengthening.
 3. Committee recommended that the foreign investments in infrastructure and banking sector should not be more than 22% as the free flow of the same is adversely
- (A) Only 1 (B) Only 2
(C) Only 3 (D) Only 1 and 3
(E) All 1, 2 and 3
- India ?
1. Custom Duties
 2. Interest Receipts
 3. Dividends and Profits
- (A) Only 1 (B) Only 2
(C) Only 2 and 3 (D) Only 3
(E) All 1, 2 and 3
11. The investments done by "Those Financial entities which were launched or incorporated in a foreign country but are investing in an Indian venture in India" are generally known as—
- (A) Patent Money
 - (B) Private Equity
 - (C) Foreign Institutional Investment
 - (D) Current Account Money
 - (E) None of these
12. Which of the following projections is/are made by the RBI in its Monetary and Credit policy of the RBI for 2009-10 ?
1. It has projected that the Wholesale Price Index (WPI) based inflation would be around 4% by March 2010.
- a period of 5 years. The only aid which should continue should be to UN sponsored Food Assistance and Emergency programmes. This will help developed nations to consolidate their domestic positions.
- (A) Only 1 (B) Only 2
(C) Only 1 and 2 (D) Only 2 and 3
(E) None of these
15. As we all know managing inflation has been a very important aspect of the economy in India. Which of the following is/are **true** about the inflation and its effect on economy ?
1. Lack of inflation (deflation) is not necessarily a thing which is always good.
 2. Inflation is an increase in the general level of prices for goods and services.
 3. When inflation goes up the purchasing power of the money also goes up.
- (A) Only 1 (B) Only 2
(C) Only 1 and 2 (D) Only 1 and 3
(E) None of these
16. Which of the following is the correct definition of the term National Income ?
1. National Income means the total amount

affecting the growth of domestic deposit and savings. Domestic investors do not get attractive investment options.

- (A) Only 1 (B) Only 2
(C) Only 1 and 2 (D) All 1, 2 and 3
(E) None of these

14. Which of the following is/are the major recommendations of Prof. Joseph Stiglitz Committee set up recently by a major international forum ?

1. The Committee recommended that a Global Economic Council should be set up urgently to address global financial issues.
2. All developed countries should take strong coordinated and effective actions to stimulate their economies. Industrial nations should dedicate 10% of their stimulus package for this cause.
3. Developed countries should suspend all their investments they are making in developing and poor countries at least for

of the commercial banks today. What went wrong with cooperative banks ?

1. The cooperative banks disbursed credit on the loans on demand mostly without proper guarantees and documents. Hence repayments were always at the mercy of the borrowers and upto some extent on good crops.
2. The cooperative banks are mostly under the supervisory control of the Panchayats, which are not professionally qualified to control such institutions.
3. Cooperative Banks do not get any relief package from the Govt. Hence they have to manage their affairs on their own resources only.

- (A) Only 2 (B) Only 1
(C) Only 3 (D) All 1, 2 and 3
(E) None of these

19. As we have noticed many banks are now entering into Insurance business. Why are Banks entering into this sector particularly when many insurance companies are already there in India ?

1. By providing insurance products banks are earning additional revenue in terms of

of money Govt. earns only through direct tax collections every year.

2. It is the total value of all sorts of stocks held by a country at a particular point of time.
3. This is the measure of the volume of commodities and services turned out during a given period counted without duplication.

- (A) Only 1 (B) Only 2
(C) Only 3 (D) All 1, 2 and 3
(E) None of these

17. As we all know irrigation is a very crucial problem of the Indian Agriculture. At present how much area (in terms of percentage) out of the total cropped area is irrigated ?

- (A) 30% (B) 35%
(C) 40% (D) 45%
(E) More than 45%

18. As we all know, the cooperative Banks in India are passing through a difficult phase and their performance is **not** as glamorous as that

- (C) International Division of Export Accounts & Services
(D) Integrated Development of European & Asian Societies
(E) None of these

21. One of the key factors that provide impetus to strong growth is **Interest Rates**. How do interest rates contribute to the growth of economy particularly when these are lowered down ?

1. It gives corporations the opportunity to prepay high cost debts and replace them with fresh funds raised at lower rates.
2. Banks use this opportunity to maximize profits on their treasury operations and these excess profits are used to clean their Balance Sheets by making higher provisions for NPAs or sticky loans.
3. The Govt. also gets benefited as it can borrow funds from open market at low interest rates and bridge its fiscal deficit.

- (A) Only 1 (B) Only 2
(C) Only 3 (D) All 1, 2 and 3
(E) None of these

22. The concept of—"Meeting the needs of present without compromising the ability of

- are earning additional revenue in terms of fee/commission.
2. Banks with their huge customer base are leveraging on their existing relationship to convert customers into policyholders.
 3. With increase of health related problems, everybody wants an insurance cover no matter how big or small it is. Banks are coming up with many attractive offers, which are also affordable.
- (A) Only 1 (B) Only 2
(C) Only 3 (D) All 1, 2 and 3
(E) Only 1 and 2
20. As we know sometimes the Exim Bank of India extend the line of credit at the behest of and with the support of the Govt. of India to developing countries as part of bilateral economic cooperation programmes named as IDEAS. What is the full form of IDEAS ?
- (A) Indian Development and Economic Assistance Scheme
(B) Industrial Designing and Exemplary Assistance Scheme
3. To control the activities of the stock markets in India which are considered highly volatile.
- (A) Only 1 (B) Only 2
(C) Only 3 (D) All 1, 2 and 3
(E) None of these
25. Which of the following is/was **not** included in the agenda set for the Banking Reforms in India?
- (A) Dismantling of administered interest rates
(B) Measures to strengthen risk management
(C) Promulgation of SARFAESI Act
(D) Promotion of the concept of easy credit to all with a guaranteed subsidy from the Govt.
(E) Granting of operational autonomy to public sector banks and allowing them to raise capital from the open market
26. Which of the following is the full form of the 'BRA' as used in banking field ?
- (A) Brazilian and Russian Association
(B) Banking Restructuring Act
(C) Banking Resources for Agriculture
- present without compromising the ability of future generation to meet their needs", is generally known as the concept of—
- (A) Climate migration
(B) Sustainable Development
(C) Structural Development
(D) Inclusive growth
(E) None of these
23. Which of the following is **not** the component of India's Securities Market ?
- (A) Commodity Futures
(B) Small Savings in National Saving Certificates
(C) Government Bonds
(D) Corporate Equity
(E) Derivatives on currency
24. Which of the following was/were the objectives of the Competition Act 2002 ?
1. To keep a check on unfair trade practices.
 2. To promote Govt. supported products/services in competition to those launched by private parties.
- whose prices do not reflect the true social cost of their consumption, for example, tax on polluting environment. Which of the following are the other examples of such taxes ?
1. Duties on cigarettes
 2. Duties on alcohol
 3. Tax on gambling and lotteries
 4. Airport Tax
- (A) Only 1 (B) Only 1 and 2
(C) Only 1, 2 and 3 (D) All 1, 2, 3 and 4
(E) None of these
29. The presidential election of Iran held in June 2009 was contested between Mahmoud Ahmedinejad and—
- (A) Hashmi Rafsanjani
(B) Ali Larijani
(C) Mohd. Ali Jafari
(D) Mir Hossein Mousavi
(E) None of these
30. The presidential and Provincial Council elections took place in which of the following countries in August 2009 ?
- (A) Nepal (B) Afghanistan

- (D) Borrowing Risk Assessment
(E) Banking Regulation Act
27. As we all know Govt. of India pays special emphasis on management of Fiscal Deficit. What is **Fiscal Deficit** ?
- (A) The gap between projected or estimated GDP and actual GDP
(B) The gap between the total number and value of the currency notes issued by the RBI uptill now over the number and value of those which are in actual circulation
(C) The gap between the actual borrowings of the Govt. of India and the expected expenditure for which provisions is made in the budget
(D) Excess of Govt.'s disbursement comprising current and capital expenditures over its current receipts (Tax/non tax receipts)
(E) None of these
28. An argument amongst the economists all over the world is going on, on the issue of imposing special taxes on goods and services
- (C) Myanmar
(D) Pakistan
(E) Sri Lanka
31. Alice Munro who won the Man Booker Prize 2009, is from which of the following countries ?
- (A) Canada (B) Britain
(C) USA (D) Italy
(E) France
32. Which of the following Statements **truly** reflects India's position in the report titled as 'Agriculture Outlook 2009-18' released by the United Nations' Food and Agriculture Organisation (FAO) and Organization for Economic Cooperation and Development (OECD) ?
1. India is required to develop its infrastructure and also to take care of growing water shortage.
 2. India is self sufficient in its food production. Hence it should help countries like Myanmar, Nepal, Pakistan and Sri Lanka etc. who are badly in need of support. At least 100 million tonnes foodgrain should

- be provided by India to all these countries immediately.
3. India should find out some other methods of calculating inflation as the present index of the prices does not give the correct picture of the same.
- (A) Only 1 (B) Only 2
(C) Only 3 (D) All 1, 2 and 3
(E) None of these
33. Which of the following is/are **correct** statements as per the "World Bank's Report on Global Economy" ?
1. The report says that India's growth rate will swing back to 8 per cent in 2010 and move to 8.5 per cent in 2011.
 2. Global growth will be even worse than what we saw earlier. There may be 2-9 per cent contraction in 2009.
 3. Report says that Brazil and China will emerge as two fastest developing economies of the world in 2011 and 2012. India may be lagging behind as its infrastructure development is very slow and inappropriate.
- (A) Only 1 (B) Only 2
(C) Only 1 and 2 (D) All 1, 2 and 3
(E) None of these
34. Which of the following countries is **not** the member of the Shanghai Cooperation Organisation (SCO), which was in news recently ?
- (A) Russia (B) China
(C) India (D) Britain
(E) Iran
35. The Govt. of India has authorized which of the following organizations to raise Rs. 10,000 crore to refinance those banks who are lending money for infrastructural projects ?
- (A) IIFCIL (B) SIDBI
(C) IDBI Bank (D) LIC
(E) None of these
36. Which of the following is/are **true** about the Loan Waiver scheme for the farmers launched by the Govt. of India recently ?
1. The Govt. has taken over the debt of the farmers and has made reimbursement to the banks.
 2. The Govt. has identified 237 low productivity districts where farmers would be eligible for a minimum loan relief of Rs. 20,000 even if their land holdings were above two hectares.
 3. Andhra Pradesh has the highest number of beneficiaries of the scheme.
- (A) Only 1
(B) Only 2
(C) Only 3
(D) All 1, 2 and 3
(E) None of these
37. As we all know India's one of the major exports is oil and petroleum. Out of the total consumption of the oil and petroleum, how much is consumed by the transport sector ?
- About—
- (A) 20% (B) 40%
(C) 30% (D) 50%
(E) 60%
38. Specially Developed Economic Zones (SEZs) in India where some of the economic laws and restrictions of the land are relaxed with the purpose of giving incentives to investors are commonly known as—
- (A) Preferential zones
(B) Economic Corridors
(C) Industrial parks
(D) Special Economic Zones
(E) None of these
39. Stock market indexes traditionally served as a benchmark to measure the performance of which of the following types of portfolios of the investors/promoters ?
- (A) Equity portfolio
(B) Tax saving instruments
(C) Mutual Funds
(D) Investments in Govt. Securities
(E) All of these
40. Which of the following is the name of the organization, created to provide full employment and self-reliance to the women folk in India ?
- (A) OECD (B) ROSCA
(C) SVP (D) USO
(E) SEWA

41. An agreement which in fact is a contract between the RBI and Banks for the sale and repurchase of Govt. securities and short term treasury bills at a future date and for which the RBI indicates the interest rate, is generally known as—
 (A) Repo Rate
 (B) Bank Rate
 (C) Reverse Repo Rate
 (D) Prime Lending Rate
 (E) None of these
42. 'Focus Africa' programme launched by the Govt. of India in 2002 was to promote—
 (A) cooperation in the fields of higher and technical education
 (B) bilateral trade between the two countries
 (C) health care service in Africa, as Africa is badly affected by HIV/AIDS
 (D) safety cover to the workers of Indian origin in African countries as Indian workers are becoming victim of racial discrimination there
 (E) None of these
43. Usain Bolt who won the "Laureus World Sportsman of the Year Award", for his record breaking performance in Beijing Olympics is basically a/an—
 (A) Golfer (B) Badminton player
 (C) Tennis player (D) Boxer
 (E) Athlete
44. Which of the following teams won the Roger Danet Trophy (Junior Hockey) 2009 ?
 (A) Italy (B) Germany
 (C) Netherlands (D) Pakistan
 (E) India
45. Habib Tanvir who passed away recently was a famous—
 (A) politician (B) playwright
 (C) classical singer (D) sportsman
 (E) social worker
46. Mr. Rameshwar Thakur has taken over as the new Governor of—
 (A) Uttar Pradesh (B) Madhya Pradesh
 (C) Andhra Pradesh (D) Goa
 (E) None of these
47. Which of the following States has launched an Insurance scheme named as "Aam Aadami Insurance Scheme" which will provide Rs. 75,000 insurance cover to all the beneficiaries ?
 (A) Delhi
 (B) Himachal Pradesh
 (C) Karnataka
 (D) Maharashtra
 (E) Uttar Pradesh
48. UN Security Council recently imposed sanctions on which of the following nations for its recent missile tests and an underground test of a nuclear device ?
 (A) Pakistan (B) North Korea
 (C) Iran (D) Turkey
 (E) None of these
49. In which of the following countries, India recently started its first Poverty Alleviation project by sponsoring a farmers' training and information centre ?
 (A) Bangladesh (B) Nepal
 (C) Afghanistan (D) Iraq
 (E) China
50. Who amongst the following is the author of the book "The Grass is Singing" ?
 (A) Gunter Grass
 (B) John Maxwell Coetzee
 (C) Harold Pinter
 (D) Dario Fo
 (E) Orhan Pamuk

Answers with Hints

1. (C) 2. (A) 3. (A) 4. (D) 5. (E)
 6. (D) 7. (D) 8. (B) 9. (A) 10. (C)
 11. (C) 12. (D) 13. (C) 14. (D) 15. (C)
 16. (C)
 17. (E) In Agriculture, the net sown area (143 million hectares) under crops has only 43% irrigated area (i.e. 62.31 million hectare), however, the gross irrigated cropped area in the country is only (87.23 million hectares) i.e. 53.1%.

18. (B) 19. (E) 20. (A) 21. (A) 22. (B) 23. (E) 24. (A) 25. (D) 26. (E) 27. (D) 28. (B) 29. (D) 30. (B) 31. (A) 32. (B) 33. (B) 34. (*) The members of Shanghai Cooperation Organisation are as under : China, Russia, Kazakhstan, Kyrgyzstan, Tajikistan and Uzbekistan. Therefore, in the given question options, India Britain and Iran are not a member of SCO. 35. (A) 36. (D) 37. (C) About 70% of the natural gas/oil and petroleum is currently being consumed in fertilizer and power sector and rest about 30% of oil and petroleum is being consumed by transport sector in the country. 38. (D) 39. (A) 40. (E) 41. (B) 42. (B) 43. (E) 44. (B) 45. (B) 46. (B) 47. (B) 'Aam Admi Bima Yojana' (AABY) was approved by Union Finance Minister P. Chidambaram on occasion of Gandhi Jayanti on Oct. 2, 2007 at Shimla (Himachal Pradesh) to provide Rs. 75,000 to family of beneficiary on accidental death cases and Rs. 30,000 on natural death. 48. (B) 49. (E) 50. (D)

Test-II English Language

Directions—(Q. 1–10) Read the given paragraphs carefully and answer the questions which follow each of these.

Directions—(Q. 1–2)

We are living in the midst of a great chemical experiment, and some serious consequences are becoming apparent to scientists. More than two billion pounds of chemicals are spewed into the air each year which are *brewing a disastrous stew*. The greatest consequences of the atmosphere crisis may be global warming and the ozone depletion. The Earth appears to be warming due to the greenhouse effect. Scientists estimate that average temperature could climb about 2 degrees Celsius in 20 years. Global warming is the predicted result of the greenhouse effect, created by the greenhouse gases, such as carbon dioxide and methane, in the atmosphere. This change in the global climate would have disastrous results, including drought, coastal flooding and increased species extinction. Also, the scientists have discovered a hole in the ozone layer. The ozone layer is the only protection for life on Earth against deadly ultraviolet radiation from the Sun. Once the ozone layer is completely destroyed, all life on Earth will cease to exist, killed by the deadly radiation. The planet will become a barren rock devoid of all life. And when this happens the process of industrialization would have to take the blame which has resulted in increased use of fossil fuels such as coal, petroleum and diesel.

1. Which of the following can be inferred from the given passage ?

- (a) The use of all chemical products should be immediately stopped.
(b) Scientists will have a hard time to estimate the rate of change of temperature

in the years to come due to enormous changes in the environment.

- (c) The environmental disaster in the future will happen as a result of increased usage of fossil fuels.

- (A) Only (a) (B) Only (c)
(C) Both (a) and (c) (D) Both (b) and (c)
(E) None of these

2. Which of the following best explains the usage of the phrase '*brewing a disastrous stew*' ?

- (A) The continuous rise in earth's temperature has been proved to be very dangerous
(B) Lack of efforts to curb the greenhouse effects would degrade the environment in the near future
(C) The harmful ultraviolet radiations are slowly destroying the life on Earth
(D) The fraternity of scientists has been opposing the process of industrialization
(E) The increased discharge of chemicals in the air is resulting in an atmosphere crisis

Directions—(Q. 3–4)

Fashion has become one of the largest fads among the youth. The amount of time wastage and expenditure on fashion is very large. What bothers however is the fact that fashion is here to stay despite countless arguments against it. What is required therefore is that strong efforts should be made in order to displace the excessive craze of fashion from the minds of today's youth.

3. Which of the following statements finds least support by the argument made by the author in the given paragraph ?
 - (A) Youngsters should be motivated to do constructive business rather than wasting time in fashion
 - (B) The world of fashion being glamorous and glittery attracts people towards itself
 - (C) Following latest fashion increases the self efficacy of people thus increasing their overall mental abilities
 - (D) Many universities have implemented a dress code to put a check on the increasing fad amongst the youth which was affecting their grades
 - (E) None of these
4. Which of the following can be inferred from

Asian counterparts. This, clear emphasis on the higher education, however, does not imply that it should be supported and developed at the cost of primary and secondary education.

5. Which of the following best explains the main idea of the paragraph ?
 - (A) The government has made a wrong move in compartmentalizing education
 - (B) To highlight the superiority of India in higher education as compared to the rest of the world
 - (C) To emphasize more on primary education rather than higher education
 - (D) Higher education is important for the growth of a country
 - (E) None of these
6. Which of the following is the most likely title of the bigger passage (having the same main idea as that of the given paragraph) in which this paragraph might have appeared ?
 - (A) Education—a fundamental right of every child
 - (B) Indian education—an unfortunate neglect of the primary education

the given paragraph ?

- (A) The author has made strong efforts to wipe out fashion from the minds of youth
- (B) Steps need to be taken in order to control the growing fad of fashion amongst the youth
- (C) The author is upset with the shift of fashion from the traditional ethnic wear to western outfits
- (D) Fashion world is responsible for lack of creativity among the youth
- (E) None of these

Directions—(Q. 5–6)

The government cannot afford to compartmentalize education. It has to be emphasized that any country which does not have a good university education will never be listed as an independent country and will never be able to progress. Only countries prepared to tolerate a second rate and subjugate status in the world would neglect higher

Directions—(Q. 7–8) Although an ecofriendly process and one of the main ways to save the environment, recycling is not gaining pace in the industry. The process of recycling undergoes many processes. First is collecting and sorting of garbage. This requires a lot of manpower and tools which are expensive. Another disadvantage of recycling which makes it unviable is that for the manufacturers, economically, the recycled material is not highly demanded since its quality is not as good as the original material. So, if the marketing of recycled goods is not worthwhile, then the whole process of recycling cannot be economically efficient. Recycled products face

- (C) Lack of higher education opportunities in India
- (D) A comparison of higher education in India with that of the west
- (E) Importance of higher education in growth of a country

education. If India has had any poison in the comity of nations in past, it was only because it had a better higher education than many of its other disadvantages as well, such as short shelf life, difficulty in de-inking the dyed products and less durability etc.

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7. The author has listed the disadvantages of recycling to
- (A) Explain the reason why recycling is not a popular option besides having various positive effects on the environment
- (B) Give arguments to support the stopping of the process of recycling completely
- (C) Predict the effects of stoppage of recycling on the environment
- (D) Show that there are better options than recycling available for utilization
- (E) None of these
8. Why is the marketing of recycled products not worthwhile according to the author ?
- (C) Generate more awareness regarding the harm of using the nuclear weapons
- (D) Work towards international harmony and understanding
- (E) None of these
9. Which of the following can be inferred from the given paragraph ?
- (a) Nuclear war, one day or the other, is poised to end the human civilization.
- (b) It is not possible for the countries to exist in unison regardless of what happens in other countries.
- (c) Unless all the nuclear weapons on earth are destroyed, peace cannot be restored.

- (a) The original products are being sold at a much lower price as compared to the recycled products.
- (b) The overall effect of recycling on the environment is detrimental rather than beneficial.
- (c) It does not give appropriate economic returns since recycled products lack demand in the market.
- (A) Only (a) (B) Both (b) and (c)
- (C) Only (c) (D) Both (a) and (b)
- (E) None of these
- (A) Only (a) (B) Only (b)
- (C) Only (b) and (c) (D) Only (a) and (c)
- (E) None of these

Directions — (Q. 9–10) The human civilization stands on an edge of destiny. It lies today on the mercy of nuclear weapons which have the power to destroy us completely unless controlled wisely. In such a crisis situation, it is important to develop sensitivity towards basic values of life. It includes an explicit realization that humans swim in an ocean where they must swim together and sink together. At this juncture a single rotten fish would damage the ocean as a whole. Man cannot afford to tamper with his loyalty to peace and international understanding which is the only way

Directions — (Q. 11–17) Which of the phrases A, (B), (C) and (D) given below each statement should be placed in the blank space provided so as to make a meaningful and grammatically correct sentence ? If none of the sentences is appropriate, mark (E) as the answer.

11. When we reached the crash site, we were delighted
- (A) On seeing no survivor
- (B) We saw everyone living
- (C) To seeing no one breathing
- (D) To see everyone alive
- (E) None of these
12. Eventhough the school premises had a lot of space,
- (A) There were plenty of play areas for the children
- (B) There was no playground for the children
- (C) Yet it remained underutilized
- (D) There was no shortage of classrooms

to deal with the situation. Anyone who does so, dooms the entire past, present and the future of the human civilization.

9. What, according to the author, should be done to avoid the destruction of life by the nuclear weapons ?

- (A) Ban the use of nuclear weapons throughout the world
- (B) Enforce stricter laws and boycotts against the nations using nuclear weapons

(E) None of these

13. but today, his performance was fairly interesting and riveted everyone to their seats.

- (A) He is a brilliant performer
- (B) He tried his best to entertain everyone
- (C) His performances are generally boring
- (D) Although he performed after a very long time
- (E) None of these

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14. In order to help the organization come out of the huge losses, the employees

- (A) Demanded a compensatory package
- (B) Started an agitation against the management
- (C) Decided to join the rival organization
- (D) Decided to file a case against the organization

(c) Many doctors now-a-days use it for therapeutic purposes which are based upon the findings of this research.

(d) The research has demonstrated that listening to classical music increases the rate of nervous connections in brain.

- (A) bdca
 - (B) dbac
 - (C) acbd
 - (D) bdac
-

- (E) None of these
15. before being packaged for distribution in the market.
- (A) The milk is Pasteurized
(B) After the milk is Pasteurized
(C) Until the milk is Pasteurized
(D) Firstly the Pasteurization of milk
(E) None of these
16. to control industrial pollution, the pollution from small scale industries has eluded solutions.
- (A) Instead of doing good job
(B) While a commendable job has been done
(C) Despite being succeeding
(D) Even after failing
(E) None of these
17. Owing to the scare of the highly contagious disease widespread in the town
- (A) Many people thronged to the multiplexes and malls during the long weekend
(B) People have been advised to gather at the town square
(C) Government has failed to make any arrangement for vaccination
(D) Most of the people decided to stay indoors during weekend
(E) None of these
- Directions—(Q. 18–22)** In each of the following questions, rearrange the given sentences (a), (b), (c) and (d) and indicate the correct sequence in which these sentences must appear so as to make a meaningful paragraph.
18. (a) By increasing these connections the intelligence is also increased.
(b) Classical music has been proved to be very helpful in child development.
- (E) bcad
19. (a) This right however comes along with the responsibility which the press is forced to work with.
(b) It means that the pressmen have every right to expose matters related to public and national interest.
(c) Such responsibilities include not broadcasting matters related to national security and other sensitive issue.
(d) Freedom of press is symbolic of democracy.
- (A) dbca (B) dbac
(C) abcd (D) bdac
(E) bcda
20. (a) A popular example of this damage is the Taj Mahal whose marble has been corroded due to acid rain.
(b) It changes the acidic content of water bodies thus affecting the lives of the living organisms of this habitat.
(c) Acid rain has been a major factor responsible for the degradation of the environment.
(d) Alongwith affecting the living beings, it is also responsible for the corrosion of several heritage buildings thus causing irreparable damages to them.
- (A) cbad (B) cdba
(C) badc (D) bdac
(E) cbda
21. (a) Alongwith missing their education these children also face life threatening dangers by working in hazardous chemical factories.
(b) Child labour has been interfering with the education of millions of children across India.

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- (c) However, there is a dire need to reinforce these laws strictly throughout the country
(d) Many laws have been framed in order to curb this evil.
- (D) The speaker remained indifferent to the situation
(E) None of these
25. The researcher tried his best to explain the

- (A) badc (B) cbad
(C) dbac (D) bdac
(E) bacd
22. (a) Their invention has been proved to be a boon to the society since many diseases caused by the microbes could be cured by these antibiotics.
(b) The scientists therefore face a continuous challenge to keep inventing newer drugs to counter this problem.
(c) A major hurdle in the use of antibiotics, however, is that the microbes develop resistance to the antibiotics thus rendering these ineffective.
(d) Antibiotics are chemical substances produced by microbes which are capable of inhibiting the growth of other microbes.
- (A) bacd (B) cbad
(C) dabc (D) dacb
(E) abdc

Directions—(Q. 23–27) In each of the following sentences, an idiomatic expression or a proverb is highlighted. Select the alternative which best describes its use in the sentence.

23. Although Ravi felt lonely in his fight against the wrong, he decided to **take the bull by the horns**.
(A) Ravi decided to convince others of his stance
(B) Ravi decided to give up his fight
(C) Ravi decided to put forward all his courage and strength
(D) Ravi decided to apologize for his actions
(E) None of these
24. As the situation got out of control, the speaker of the parliament tried to **put oil over troubled waters**.
(A) The speaker tried to calm the situation
(B) The speaker tried to take advantage of the situation
(C) The speaker jumped into the fight

importance of his new discovery to the panel members but soon realized that he was **casting pearls before a swine**.

- (A) He realized that the panel members would take his suggestions seriously
(B) He realized that he disclosed the information to a greedy panel
(C) He realized that he had come to the right group of people
(D) He realized that the panel members can not appreciate his findings
(E) None of these
26. The chairman had to **eat a humble pie** after the workers decided to go on strike to protest against the biased promotions.
(A) The chairman politely refused to take the promotion orders back
(B) The chairman gave up his pride and apologized for the mistake
(C) The chairman had to face defeat by a group of ordinary workers
(D) The chairman's career was tinted due to the allegations of biased promotions
(E) None of these
27. The bankrupt organization has been handed

over to its new owners, **lock, stock and barrels**.

- (A) Only a few departments of the bankrupt organizations have been taken over by the new owners
(B) The new owners have bought the bankrupt organization for a very nominal amount
(C) The owners have bought the bankrupt organization in a hurry
(D) The new owners have completely taken over the bankrupt organization
(E) None of these

Directions—(Q. 28–30) In each of the given sentences select the sentence which would either **follow or precede** the given sentence in grammatically and conceptually appropriate manner. The instruction is given at the end of every statement.

28. Therefore, the army was called upon immediately for relief operation and rescue people from the storm hit town.
Which of the following sentences would immediately **follow** the above sentence ?
- (A) A severe storm is expected to hit the coastal town on Wednesday
(B) The town had not experienced such a storm in several decades
(C) However the local force was unable to handle the intense situation alone
(D) They however took a very long time to reach the area as all the approach ways were blocked
(E) None of these
29. The accused was shocked and begged to the judiciary for mercy on grounds of his old age. Which of the following sentences would immediately **precede** the above sentence ?
- (A) The 72 years old man was arrested on charges of human trafficking
(B) He was sentenced to 5 years of rigorous imprisonment by the judge
(C) He however mentioned that the old man deserved the punishment -
(D) Disappointed with the court's decision, his lawyer decided to move to the higher court
(E) None of these
30. Shreya was elated and jumped with joy when the president called out her name on the stage. Which of the following sentences would immediately **precede** the above sentence ?
- (A) Shreya waited with bated breath for the results as she had worked very hard throughout the year
(B) Shreya worked very hard since she wanted to win the employee of the year award, due in a couple of months
(C) Her career snowballed from this point and eventually she became the president of the company
(D) The president expressed his disappointment at the dismal performance of the organization
(E) None of these
- Directions—(Q. 31–40)** In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words/phrases are suggested, one of which fits the blank appropriately. Find out the appropriate word/phrase in each case.
- The barter system for getting goods and services ...(31)... back many centuries. In most cultures the barter system was used before money was ...(32).... People who had specific items or services would ...(33)... these with others for the things they needed. Good negotiation was the ...(34)... to making good trades. While the barter system ...(35)... based on basic needs, today the barter system continues to thrive. The barter system transcends the monetary system. The barter system is making a ...(36)... today. What makes the barter system even better today than ever before is that it can now be done globally. In the past bartering was simply done with those that were located nearby. Today the barter system can be used in a much more ...(37)... way than ever before yet it carries with it the same basic motivation – the need for something that you don't have and the excess of something that someone else wants.
- The barter system is enjoying ...(38)... interest today. Bartering allows you to get the things you need without having to ...(39)... additional money. Instead you can use the things you no longer need or want to get the things you do need. There are swap markets and online auctions that ...(40)... you to sell or trade your items or to purchase items that you want. Negotiation takes place just like it did hundreds of years ago.
31. (A) discovered (B) dates
(C) began (D) started
(E) initiated
32. (A) bought (B) imagined
(C) began (D) emerged
(E) invented
33. (A) buy (B) sell
(C) exchange (D) give
(E) return
34. (A) important (B) essential
(C) result (D) key
(E) intention

35. (A) originated (B) stood
(C) generated (D) created
(E) produced
36. (A) issue (B) comeback
(C) withdrawal (D) recall
(E) fading
37. (A) primitive (B) appreciated
(C) promoted (D) sophisticated
(E) better
38. (A) diminishing (B) revival
(C) perishing (D) declining
(E) renewed
39. (A) expend (B) exchanging
(C) expand (D) consume
(E) cost

40. (A) insist (B) force
(C) allow (D) lure
(E) constraint

Answers

1. (C) 2. (A) 3. (D) 4. (A) 5. (D)
6. (E) 7. (A) 8. (C) 9. (C) 10. (A)
11. (D) 12. (B) 13. (C) 14. (E) 15. (A)
16. (B) 17. (D) 18. (D) 19. (B) 20. (E)
21. (A) 22. (D) 23. (C) 24. (A) 25. (D)
26. (B) 27. (D) 28. (D) 29. (B) 30. (A)
31. (B) 32. (E) 33. (C) 34. (D) 35. (A)
36. (B) 37. (D) 38. (E) 39. (A) 40. (D)

Test-III
Quantitative Aptitude

Directions—(Q. 1–5) In each of these questions, a number series is given. Below the series one number is given followed by (a), (b),

4. 16 57 244 1245 7506
(a) (b) (c) (d) (e)
What will come in place of (d) ?

(c), (d) and (e). You have to complete this series following the same logic as in the original series and answer the question that follows.

1. 5 9 25 91 414 2282.5

3 (a) (b) (c) (d) (e)

What will come in place of (c) ?

- (A) 63.25 (B) 63.75
(C) 64.25 (D) 64.75
(E) None of these

2. 15 9 8 12 36 170

19 (a) (b) (c) (d) (e)

What will come in place of (b) ?

- (A) 18 (B) 16
(C) 22 (D) 24
(E) None of these

3. 7 6 10 27 104 515

9 (a) (b) (c) (d) (e)

What will come in place of (d) ?

- (A) 152 (B) 156
(C) 108 (D) 112
(E) None of these

- (A) 985 (B) 980
(C) 1004 (D) 1015

(E) None of these

5. 8 9 20 63 256 1285

5 (a) (b) (c) (d) (e)

What will come in place of (e) ?

- (A) 945 (B) 895
(C) 925 (D) 845
(E) None of these

Directions—(Q. 6–10) What approximate value will come in place of the question mark (?) in the following questions ?

(Your are not expected to calculate exact value.)

6. $(32.51)^2 - (17.45)^2 = ?$

- (A) 780 (B) 850
(C) 680 (D) 820
(E) 750

7. $88.25\% \text{ of } 450 = ?\% \text{ of } 530$

- (A) 70 (B) 68
(C) 75 (D) 80
(E) 65

8. $\sqrt{898} \times (12.005)^2 + ? = 5000$
 (A) 680 (B) 720
 (C) 750 (D) 620
 (E) 630

9. $3745 \div 24.05 \times 17.98 = ?$
 (A) 2860 (B) 2800
 (C) 2760 (D) 2720
 (E) 2840

10. $117.95 \times 8.017 \times 4.98 = ?$
 (A) 4670 (B) 4780
 (C) 4840 (D) 4720
 (E) 4800

Directions—In these questions, a question is given followed by information in three statements. You have to consider the information in all the three statements and decide the information in which of the statement(s) is not necessarily required to answer the question and therefore can be dispensed with. Indicate your answer accordingly.

11. How many students from Institute 'A' got placement?

- I. Number of students studying in Institutes A & B are in the ratio of 3 : 4 respectively.

- II. Number of students who got placement from Institute B is 120% of the number of students who got placement from Institute A.

- III. 80% of the students studying in Institute B got placement.

- (A) None of the statements can be dispensed with
 (B) Only I
 (C) Only II
 (D) Any one of the three
 (E) Question cannot be answered even with the information in all three statements

12. What is the monthly income of Mr. X?

- I. Mr. X spends 85% of his income on various items and remaining amount is saved.

- II. Monthly savings of Mr. X are Rs. 4,500.

- III. Out of the total money spent by Mr. X in a month, one-fifth is spent on food and remaining amount of Rs. 20,400 on other items.

- (A) Only II
 (B) Only III
 (C) Only either II or III

- (D) Question cannot be answered even with the information in all three statements
 (E) None of these

13. What is Suchitra's present age?

- I. Suchitra's present age is double the age of her son.

- II. Ratio between present ages of Suchitra and her mother is 2 : 3 respectively.

- III. Four years hence the ratio between Suchitra's age and her son's age will be 24 : 13 respectively.

- (A) Only II
 (B) Only III
 (C) Either I or II only
 (D) Either II or III only
 (E) None of these

14. What is Neeta's share in the profit earned at the end of 2 years in a joint business run by Neeta, Seeta and Geeta?

- I. Neeta invested Rs. 85,000 to start the business.

- II. Seeta and Geeta joined Neeta's business

after six months investing amounts in the ratio of 3 : 5 respectively.

- III. Total amount invested by Seeta and Geeta is Rs. 2.5 lacs.

- (A) Only II
 (B) Only III
 (C) Only either II or III
 (D) Information in all three statements is required for answering the question.
 (E) Question cannot be answered even with the information in all three statements.

15. What is the labelled price of the article?

- I. Cost price of the article is Rs. 500.

- II. Selling price after offering 5% discount on the labelled price is Rs. 608.

- III. Profit earned would have been 28%, if no discount was offered.

- (A) Only I (B) Only III
 (C) Only II & III (D) Only I and III
 (E) Only I and II

Directions—(Q. 16–20) Study the following information carefully to answer these questions.

An Institute having 450 employees has sent all its employees for training in one or more areas out of HRM, Computer Skills and Financial Skills. Employees are classified into two categories—officers and clerks, which are in the ratio of 4 : 5 respectively. 10% of the officers take training only in Computer skills, 16% of the clerks take training only in HRM which is equal to the number of officers taking training only in Financial Skills and 50% of the number of officers taking training in HRM and Financial Skills both. 6% of the total employees take training in all three of which two-third are officers. 10% of the total employees take training in HRM and Computer Skills both, which is five times the number of Clerks taking training in Computer Skills and Financial Skills. 10% of the Clerks take training in HRM and Computer Skills both. Number of officers taking training only in HRM is 25% of the number of Clerks taking training only in HRM. 20% of the total number of employees take training only in Computer Skills. Number of clerks taking training in HRM and Financial skills both is 20% of the total number of Clerks.

20. What percent of the total number of Officers take training in Computer Skills but not in Financial Skills ?

(A) 25 (B) 40
(C) 20 (D) 15
(E) None of these

Directions—(Q. 21–25) Study the following table carefully to answer the questions.

Rate of Interest (P.C.P.A.) Offered by Five Companies on Deposits Under Different Schemes

Scheme	Company				
	A	B	C	D	E
I	8.5	9.0	8.0	8.5	9.0
II	9.5	8.5	9.0	9.0	8.5
III	8.0	8.0	7.5	8.5	8.5
IV	10.0	9.5	10.5	9.5	10.0

21. Mr. X deposited an amount in Scheme II with Company C for two years. After that he withdrew the amount and reinvested only the principal amount in Scheme IV of Company B for two years. Total amount of simple interest accrued from the two schemes is Rs. 14,800. What was the principal amount ?

16. Total how many officers take training in HRM ?

(A) 110 (B) 128
(C) 118 (D) 98
(E) None of these

17. Total how many Clerks take training in Computer Skills but not in HRM ?

(A) 113 (B) 104
(C) 88 (D) 79
(E) None of these

18. Total how many employees take training in Financial Skills but not in HRM ?

(A) 106 (B) 135
(C) 127 (D) 134
(E) None of these

19. Total how many Clerks take training in Financial Skills ?

(A) 115 (B) 106
(C) 47 (D) 97
(E) None of these

- (A) Rs. 48,000
(B) Rs. 42,000
(C) Rs. 40,000
(D) Cannot be determined
(E) None of these

22. Company E offers compound interest under Scheme I and Company A offers simple interest under Scheme IV. What will be the difference between the interest earned under Scheme I of Company E and Scheme IV of Company A respectively in two years on an amount of Rs. 1.2 lakhs ?

(A) Rs. 1,428 (B) Rs. 1,328
(C) Rs. 1,528 (D) Rs. 1,548
(E) None of these

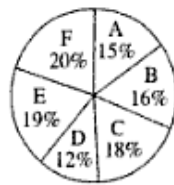
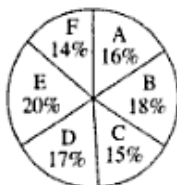
23. Company D offers compound interest under Scheme II and simple interest under Scheme I. Mr. Abhijit invested Rs. 25,000 with this company under Scheme IV and after one year switched over to Scheme II along with the interest for one more year. What is the total amount he will get at the end of two years ?

- (A) Rs. 28,939.25 (B) Rs. 29,838.75
(C) Rs. 31,748.25 (D) Rs. 31,738.75
(E) None of these
24. Abhishek invested an amount of Rs. 45,000 for two years with Company B under Scheme III which offers compound interest and Jeevan invested equal amount for two years with Company C under Scheme IV which offers simple interest. Who earned more interest and how much ?
(A) Abhishek, Rs. 1,875
(B) Jeevan, Rs. 1,875
(C) Abhishek, Rs. 1,962
(D) Jeevan Rs. 1,962
(E) None of these
25. Mr. Lal invested Rs. 30,000 in Company A under Scheme II which offers simple interest and Rs. 48,000 in Company D under Scheme II which offers compound interest. What will be the total amount of interest earned by Mr. Lal in two years ?
(A) Rs. 14,728.80 (B) Rs. 17,428.50
(C) Rs. 14,827.70 (D) Rs. 16,728.20
(E) None of these
26. What is the difference between Graduate male population and XII Std. male population from State A ?
(A) 24,000 (B) 14,000
(C) 28,000 (D) 36,000
(E) None of these
27. What is the ratio between Graduate female population of State E and Std. XII female population of State D respectively ?
(A) 7 : 5 (B) 5 : 7
(C) 16 : 15 (D) 15 : 16
(E) None of these
28. Graduate female population of State C is what percent of the Std. XII female population of that State ?
(A) 40 (B) 62.5
(C) 50 (D) 52.5
(E) None of these
29. Class XII male population of State C is what percent of the total Std. XII population of all the states together ?
(A) 8% (B) 12%
(C) 11% (D) 9%
(E) None of these

Directions—(Q. 26–35) Study the following pie-charts and table to answer these questions.

Statewise Details of Adult Population of a Country

Graduate and Above **Upto XII STD. Pass**
Total No. = 24 Lakhs **Total No. = 32 Lakhs**



Male – Female (M : F) Ratio

State	Graduate & Above		Upto XII STD Pass	
	M	F	M	F
A	7	5	7	9
B	5	3	3	5
C	5	4	4	5
D	9	8	5	7
E	9	7	9	10
F	4	3	3	2

30. What is the ratio between Graduate male population of State E and Std. XII female population of that State respectively ?
(A) 28 : 35 (B) 35 : 28
(C) 32 : 45 (D) 45 : 32
(E) None of these
31. Total graduate population of State F is what percent of the total Std. XII population of State A ?
(A) 56 (B) 72
(C) 68 (D) 76
(E) None of these
32. Std. XII male population of State E is what percent of the Std. XII male population of State F ?
(A) 70 (B) 75
(C) 68 (D) 72
(E) None of these
33. What is the ratio between total Graduate and Std. XII male population of State A and total

Graduate and Std. XII female population of that State respectively ?

- (A) 215 : 216 (B) 214 : 215
(C) 217 : 215 (D) 215 : 217
(E) None of these

34. What is the ratio between total Graduate population of State D and total Std. XII population of that State respectively ?

- (A) 17 : 16 (B) 16 : 17
(C) 64 : 51 (D) 51 : 64
(E) None of these

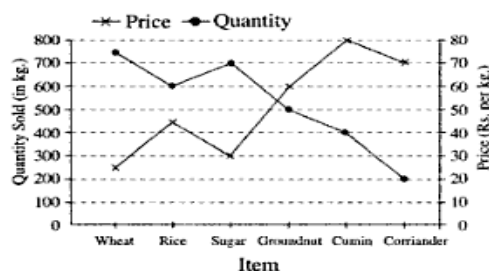
35. Graduate female population of State B is what percent of the Graduate female population of State E ?

(Rounded off to nearest integer)

- (A) 129 (B) 82
(C) 77 (D) 107
(E) None of these

Directions—(Q. 36–40) Study the following graph carefully to answer these questions.

Quantity of various items sold and price per kg.



36. What is the average price per kg of wheat and rice sold ? (Rounded off to nearest integer)

- (A) 32 (B) 34
(C) 36 (D) 35
(E) 31

37. If cumin is sold at a 10% discount, the quantity sold doubles. What will be the cost of total quantity of cumin sold on discount ?

- (A) Rs. 52,600 (B) Rs. 28,800
(C) Rs. 32,000 (D) Rs. 57,600
(E) None of these

38. Out of the total quantity of sugar sold, half the quantity is sold at the given rate while half the quantity is sold on a price increased by 20%. What is the total cost of entire quantity of sugar sold ?

- (A) Rs. 23,100 (B) Rs. 23,800
(C) Rs. 22,400 (D) Rs. 23,400
(E) None of these

39. If the quantities sold of Groundnut and Cumin are interchanged, what will be the total cost of quantities sold for these two items together ?

- (A) Rs. 62,000 (B) Rs. 60,000
(C) Rs. 65,000 (D) Rs. 63,000
(E) None of these

40. If the quantity of coriander sold is increased by 200% and the price per kg. is reduced by 8%, what will be the total cost of coriander sold ?

- (A) Rs. 38,460 (B) Rs. 36,480
(C) Rs. 38,640 (D) Rs. 36,840
(E) None of these

Answers with Explanations

1. (D)

$$\frac{5}{1.5+1.5} \times 1.5 + \frac{9}{2.5+2.5} \times 2.5 + \frac{25}{3.5+3.5} \times 3.5 + \frac{91}{4.5+4.5} \times 4.5 + \frac{414}{5.5+5.5} \times 5.5$$

similarly,

$$\frac{3}{.5+1.5} \times 1.5 + \frac{(a)}{2.5+2.5} \times 2.5 + \frac{(b)}{3.5+3.5} \times 3.5 + \frac{(c)}{4.5+4.5} \times 4.5 + \frac{(d)}{5.5+5.5} \times 5.5$$

$$\therefore (c) = 17.5 \times 3.5 + 3.5 = 61.25 + 3.5 = 64.75$$

2. (B)

$$\frac{13}{1-(6 \times 1)} \times 2 - \frac{9}{2-(5 \times 2)} \times 3 - \frac{8}{3-(4 \times 3)} \times 4 - \frac{12}{4-(3 \times 4)} \times 5 - \frac{36}{5-(2 \times 5)}$$

similarly,

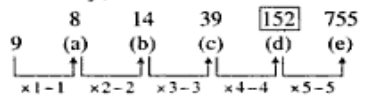
$$\frac{19}{1-(6 \times 1)} \times 2 - \frac{13}{2-(5 \times 2)} \times 3 - \frac{16}{3-(4 \times 3)} \times 4 - \frac{36}{4-(3 \times 4)} \times 5 - \frac{132}{5-(2 \times 5)}$$

$$\therefore (b) = 13 \times 2 - (5 \times 2) = 26 - 10 = 16$$

3. (A)

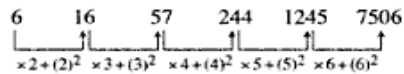
$$\frac{6}{1-1} \times 2 - \frac{10}{2-2} \times 3 - \frac{27}{3-3} \times 4 - \frac{104}{4-4} \times 5 - \frac{515}{5-5}$$

similarly,

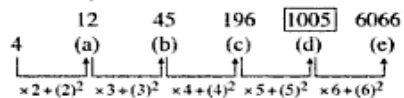


$$\therefore (d) = 39 \times 4 - 4 = 156 - 4 = 152$$

4. (E)

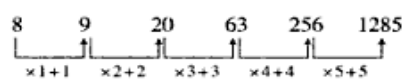


similarly,

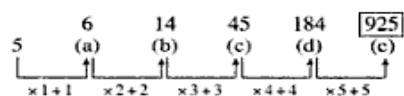


$$\therefore (d) = 196 \times 5 + (5)^2 = 980 + 25 = 1005$$

5. (C)



similarly,



$$\therefore (E) = 184 \times 5 + 5 = 920 + 5 = 925$$

$$\begin{aligned} 6. (E) \quad ? &= (32-51)^2 - (17-45)^2 \\ &= (32-51 + 17-45)(32-51 - 17-45) \\ &= 49 \cdot 96 \times 15 \cdot 06 \approx 50 \times 15 \\ &= 750 \text{ (App.)} \end{aligned}$$

$$\begin{aligned} 7. (C) \quad \therefore \frac{?}{100} \text{ of } 530 &= \frac{88 \cdot 25}{100} \text{ of } 450 \\ \therefore ? &= \frac{450 \times 88 \cdot 25}{530} = 74 \cdot 92 \\ &\approx 75 \text{ (App.)} \end{aligned}$$

$$\begin{aligned} 8. (A) \quad ? &\approx 5000 - \sqrt{900} \times (12)^2 \\ &= 5000 - 30 \times 144 \\ &= 5000 - 4320 = 680 \end{aligned}$$

$$\begin{aligned} 9. (B) \quad ? &\approx 3745 \div 24 \times 18 \\ &= \frac{3745}{24} \times 18 \approx 2800 \text{ (App.)} \end{aligned}$$

$$10. (D) \quad ? \approx 118 \times 8 \times 5 \approx 4720$$

11. (E) From I : No. of students studying in (A) and (B) are $3x$ and $4x$ respectively.

From III : No. of students studying in B, got placement

$$= 4x \times \frac{80}{100} = \frac{16x}{5}$$

\therefore Question cannot be answered even with the information in all the three statements.

$$\begin{aligned} 12. (B) \text{ From I and II Income} &= 4500 \times \frac{100}{15} \\ &= \text{Rs. } 30000 \end{aligned}$$

\therefore Only III can be dispensed with.

13. (A) From I : if the age of son is x years, then the age of Suchitra = $2x$ years

$$\text{and from III : } \therefore \frac{2x+4}{x+4} = \frac{24}{13}$$

$$\Rightarrow 26x + 52 = 24x + 96$$

$$\Rightarrow x = \frac{96-52}{2} = 22$$

\therefore From I and III : the present age of Suchitra = 44 years

\therefore Only II can be dispensed with.

14. (D) From I : investment of Neeta for 1 month

$$= 85000 \times 24$$

$$= \text{Rs. } 2040000$$

From II : and III investment of Seeta for 1

$$\text{month} = \frac{3}{8} \times 250000 \times 18$$

$$= \text{Rs. } 1687500$$

From II and III investment of Geeta for 1

$$\text{month} = \frac{5}{8} \times 250000 \times 18$$

$$= \text{Rs. } 2812500$$

\therefore Ratio of investments of all the three investments = 816 : 675 : 1125

\therefore From all the statements, Neeta's share in

$$\text{the profit} = \frac{816}{2616}$$

$$= \frac{102}{327}$$

\therefore The information in all three statements is necessarily required.

1. (D) From II : Labelled price of the article

$$= 608 \times \frac{100}{(100-5)}$$

$$= 608 \times \frac{20}{19} = \text{Rs. } 640$$

∴ Only statements I and III can be dispensed with.

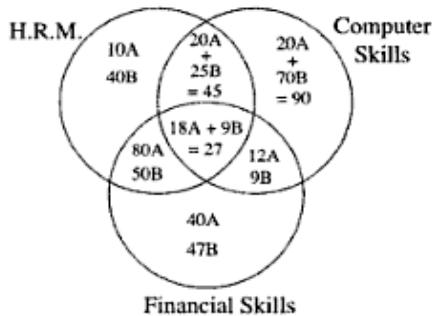
For Q. No. 16 to 20

$$\text{No. of officers in the Institute} = \frac{4 \times 450}{4+5}$$

$$= 200$$

$$\text{and No. of clerks in the Institute} = 450 - 200$$

$$= 250$$



Officers are denoted by A while clerks are

denoted by B.

16. (B) No. of officers taking training in HRM

$$= 10 + 20 + 18 + 80$$

$$= 128$$

17. (D) No. of clerks taking training in computer but not in HRM

$$= 70 + 9 = 79$$

18. (E) Req'd. number of employees

$$= 40 + 12 + 47 + 9 = 108$$

19. (A) Req'd. number of clerks

$$= 47 + 9 + 9 + 50 = 115$$

20. (C) Req'd. % = $\frac{(20+20) \times 100}{200} \% = 20\%$

21. (C) Let the principal amount be Rs. x

$$\therefore x \times \frac{9}{100} \times 2 + x \times \frac{9.5}{100} \times 2 = 14800$$

$$\Rightarrow 18x + 19x = 14800 \times 100$$

$$\therefore x = \frac{1480000}{37} = \text{Rs. } 40000$$

22. (A) Req'd. difference

$$= 120000 \left[\left(1 + \frac{9}{100} \right)^2 - 1 \right]$$

$$\sim 120000 \times \frac{10}{100} \times 2$$

$$= 120000 \left(\frac{11881 - 10000}{10000} \right) \sim 24000$$

$$= 22572 \sim 24000$$

$$= \text{Rs. } 1428$$

23. (B) Req'd. amount

$$= \frac{25000 \times 9.5 \times 1}{100} + 27375 \times \frac{9}{100} \times 4$$

$$+ 25000$$

$$= 2375 + 2463.75 + 25000$$

$$= \text{Rs. } 29838.75$$

24. (D) Interest earned by Abhishek

$$= 45000 \left[\left(1 + \frac{8}{100} \right)^2 - 1 \right]$$

$$= 45000 \left[\frac{108 \times 108 - 100 \times 100}{100 \times 100} \right]$$

$$= \frac{45000 \times 1664}{10000} = \text{Rs. } 7488$$

Interest earned by Jeevan

$$= \frac{45000 \times 10.5 \times 2}{100} = \text{Rs. } 9450$$

∴ Jeevan earned more interest by

$$= 9450 - 7488 = \text{Rs. } 1962.$$

25. (A) Req'd. amount = $\frac{30000 \times 9.5 \times 2}{100}$

$$+ 48000 \left[\left(1 + \frac{9}{100} \right)^2 - 1 \right]$$

$$= 5700 + 48000 \left(\frac{109 \times 109 - 100 \times 100}{10000 \times 100} \right)$$

$$= 5700 + \frac{48000 \times 1881}{10000} = 5700 + 9028.80$$

$$= \text{Rs. } 14728.80$$

26. (B) Req'd. difference

$$= \frac{7}{12} \times \frac{16}{100} \times 2400000$$

$$\sim \frac{7}{16} \times \frac{15}{100} \times 3200000$$

$$= 224000 \sim 210000 = 14000$$

27. (D) Reqd. ratio = $\left(\frac{7}{16} \times \frac{20}{100} \times 2400000\right)$
 $:\left(\frac{7}{12} \times \frac{12}{100} \times 3200000\right)$
 $= 210000 : 224000$
 $= 15 : 16$
28. (C) Reqd. % = $\frac{\frac{4}{9} \times \frac{15}{100} \times 2400000}{\frac{5}{9} \times \frac{18}{100} \times 3200000} \times 100\%$
 $= \frac{16000000}{3200000} \% = 50\%$
29. (A) Reqd. % = $\frac{\frac{4}{9} \times \frac{18}{100} \times 3200000}{3200000} \times 100\%$
 $= 8\%$
30. (E) Reqd. ratio = $\left(\frac{9}{16} \times \frac{20}{100} \times 2400000\right)$
 $:\left(\frac{10}{19} \times \frac{19}{100} \times 3200000\right)$
 $= 270000 : 320000$
 $= 27 : 32$
31. (E) Reqd. % = $\frac{\left(\frac{14}{100} \times 2400000\right) \times 100}{\frac{15}{100} \times 3200000} \%$
 $= 70\%$
32. (B) Reqd. % = $\frac{\left(\frac{9}{19} \times \frac{19}{100} \times 3200000\right) \times 100}{\frac{3}{5} \times \frac{20}{100} \times 3200000}$
 $= \frac{9 \times 5}{3 \times 20} \times 100 \% = 75\%$
33. (E) Reqd. ratio = $\frac{\left(\frac{16}{100} \times 2400000 + \frac{7}{16} \times \frac{15}{100} \times 3200000\right)}{\left(\frac{16}{100} \times 2400000 + \frac{9}{16} \times \frac{15}{100} \times 3200000\right)}$
 $= \frac{594000}{654000} = 297 : 327$
 $= \frac{297}{327}$
34. (A) Reqd. ratio = $\frac{\frac{17}{100} \times 2400000}{\frac{12}{100} \times 3200000}$
 $= \frac{408}{384} = \frac{17}{16}$
 $= 17 : 16$
35. (C) Reqd. % = $\frac{\left(\frac{3}{8} \times \frac{18}{100} \times 2400000\right)}{\frac{7}{16} \times \frac{20}{100} \times 2400000} \times 100\%$
 $= 77.14\%$
 $\approx 77\%$
36. (B) Reqd. average price per kg of wheat and rice
 $= \frac{750 \times 25 + 600 \times 45}{750 + 600}$
 $= \frac{18750 + 27000}{1350}$
 $= \frac{45750}{1350}$
 $= 33.88$
 $\approx \text{Rs. } 34 \text{ per kg}$
37. (D) Reqd. cost = 72×800
 $= \text{Rs. } 57600$
38. (A) Reqd. cost = $350 \times 30 + 350 \times \frac{30 \times 120}{100}$
 $= 10500 + 12600$
 $= \text{Rs. } 23100$
39. (E) Reqd. cost = $500 \times 80 + 400 \times 60$
 $= 40000 + 24000$
 $= \text{Rs. } 64000$
40. (C) Reqd. cost = $200 \times 3 \times 70 \times \frac{92}{100}$
 $= \text{Rs. } 38,640$

Test-IV Reasoning

1. How many meaningful English words can be formed with the letters MASTE using each letter only once in each word ?
(A) None (B) One
(C) Two (D) Three
(E) More than three
 2. Four of the following five are alike in a certain way and so form a group. Which is the one that **does not** belong to that group ?
(A) 78 (B) 48
(C) 72 (D) 54
(E) 42
 3. In a certain code SAFER is written as 5@3#2 and RIDE is written as 2@%#. How is FEDS written in that code ?
(A) 3#@5 (B) 3@%5
(C) 3#%5 (D) 3#%2
(E) None of these
 4. Pointing to a woman, Nirmal said, "She is the daughter of my wife's grandfather's only child". How is the woman related to Nirmal ?
(A) Wife (B) Sister-in-law
(C) Sister (D) Data inadequate
(E) None of these
 5. Four of the following five are alike in a certain way and so form a group. Which is the one that **does not** belong to that group ?
(A) Sweet (B) Cake
(C) Pastry (D) Bread
(E) Biscuit
 6. In a certain code CONFUSED is written as EMNBEFTV. How is SECLUDED written in that code ?
(A) RDBKEFEV (B) KBDRCDCT
(C) KBDREFEV (D) MDFTCDCT
(E) None of these
 7. What should come next in the following letter series ?
Z X V T R P N L J Y W U S Q O
(A) M (B) K
 8. How many such digits are there in the number 9254716 each of which is as far away from the beginning of the number as when the digits are rearranged in ascending order ?
(A) None (B) One
(C) Two (D) Three
(E) More than three
 9. In a certain code language 'bring the white board' is written as 'ka na di pa' and 'white and black board' is written as 'na di sa ra'. How is 'the' written in that code ?
(A) ka (B) pa
(C) ka or pa (D) Data inadequate
(E) None of these
 10. Among B, F, J, K and W each having a different weight, F is heavier than only J. B is heavier than F and W but not as heavy as K. Who among them is the third heaviest among them ?
(A) B (B) F
(C) K (D) W
(E) None of these
- Directions—(Q. 11–16) Study the following arrangement carefully and answer the questions given below—**
- Y 4 8 A @ D F 3 # R N 1 M © W P δ J 2 E 5
Z * 6 Q B 7 \$ H U 9 I K
11. Which of the following is the seventh to the right of the nineteenth from the right end of the above arrangement ?
(A) 1 (B) D
(C) Z (D) \$
(E) None of these
 12. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that **does not** belong to that group ?
(A) D#A (B) JWE
(C) 562 (D) \$9B
(E) RM3

13. How many such consonants are there in the above arrangement each of which is immediately preceded by a symbol and immediately followed by a letter ?

(A) None (B) One
(C) Two (D) Three
(E) More than three

14. How many such numbers are there in the above arrangement each of which is immediately preceded by a letter and immediately followed by a symbol ?

(A) None (B) One
(C) Two (D) Three
(E) More than three

15. What should come next in the following series based on the above arrangement ?

8@D #N1 Wδ J 5★6

(A) 7HU (B) 7\$U
(C) 7#9 (D) B\$#
(E) None of these

16. If all the numbers are dropped from the above arrangement, which of the following will be the fourteenth from the left end ?

(A) W (B) P

(C) δ (D) J
(E) None of these

Directions—(Q. 17–22) In each question below are four statements followed by four conclusions numbered I, II, III and IV. You have to take the four given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the four given statements disregarding commonly known facts. Then decide which of the answers (A), (B), (C), (D) and (E) is correct and indicate as your answer.

17. **Statements :** All belts are rollers. Some rollers are wheels.

All wheels are mats. Some mats are cars.

Conclusions :

I. Some mats are rollers.
II. Some mats are belts.
III. Some cars are rollers.
IV. Some rollers are belts.

(A) Only I and II follow
(B) Only I, III and IV follow

(C) Only I and IV follow
(D) Only II, III and IV follow
(E) None of these

18. **Statements :** Some tyres are rains. Some rains are flowers.

All flowers are jungles. All jungles are tubes.

Conclusions :

I. Some jungles are tyres.
II. Some tubes are rains.
III. Some jungles are rains.
IV. Some tubes are flowers.

(A) Only I, II and III follow
(B) Only II, III and IV follow
(C) Only I, III and IV follow
(D) All follow
(E) None of these

19. **Statements :** All desks are chairs. All chairs are tables.

All tables are boxes. All boxes are trunks.

Conclusions :

I. Some trunks are tables.
II. All chairs are boxes.
III. Some boxes are desks.

IV. All desks are trunks.

(A) Only I, II and III follow
(B) Only I, II and IV follow
(C) Only II, III and IV follow
(D) All follow
(E) None of these

20. **Statements :** Some birds are goats. Some goats are horses.

Some horses are lions. Some lions are tigers.

Conclusions :

I. Some tigers are goats.
II. No tiger is goat.
III. Some lions are birds.
IV. No lion is bird.

(A) Only either I and II follows
(B) Only either III or IV follows
(C) Only either I or II and either III or IV follow
(D) Only I and III follow
(E) None of these

21. **Statements :** All papers are bottles. All bottles are cups.

Some cups are jugs. Some jugs are plates.

Conclusions :

- I. Some plates are cups.
- II. Some plates are bottles.
- III. Some cups are papers.
- IV. Some bottles are papers.
- (A) Only III and IV follow
- (B) Only I and II follow
- (C) Only I and III follow
- (D) Only II and IV follow
- (E) None of these

22. **Statements :** All bulbs are wires. No wire is cable.

Some cables are brushes. All brushes are paints.

Conclusions :

- I. Some paints are cables.
- II. Some wires are bulbs.
- III. Some brushes are wires.
- IV. Some cables are bulbs.
- (A) None follows
- (B) Only I and II follow
- (C) Only II follows

- (ii) If both the first and the last letters are consonants both are to be coded as the code for the last letter.

- (iii) If the first letter is a vowel and the last letter is a consonant their codes are to be interchanged.

23. HIEMJU—

- (A) ©7#1★9 (B) 97#1★9
- (C) ©7#1★© (D) 87#1★8
- (E) None of these

24. AK*RBW—

- (A) 3264%5 (B) 3264%3
- (C) 324%65 (D) 5264%3
- (E) None of these

25. EBI DRI—

- (A) 7%@847 (B) 7%©84\$
- (C) \$%©847 (D) \$%8@47
- (E) None of these

26. FANJIM—

- (A) %25★71 (B) 125★7%
- (C) %25★7% (D) 15★271
- (E) None of these

27. KXPDMA—

- (D) Only III follows
- (E) Only IV follows

Directions—(Q. 23–28) In each question below is given a group of letters followed by four combinations of digits/symbols lettered (A), (B), (C) and (D). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and the conditions that follow and mark the number of that combination as your answer. If none of the combinations correctly represents the group of letters, mark (A) i.e., 'None of these' as your answer.

Letter :

R D A E J M K T B U I P W H F

Digit/Symbol Code :

4 8 5 \$ ★ 1 2 6 % © 7 @ 3 9 #

Conditions :

- (i) If the first letter is a consonant and the last letter is a vowel both are to be coded as δ.

- (A) 52@815 (B) ©2@815
- (C) ©2@81© (D) ©@2815
- (E) None of these

28. METUFB—

- (A) %\$6©#1 (B) 1\$6©#1
- (C) %\$6©#% (D) 1\$6©#%
- (E) None of these

Directions—(Q. 29–34) A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input : but 32 71 glory fair south 65 84

Step I : south but 32 71 glory fair 65 84

Step II : south 84 but 32 71 glory fair 65

Step III : south 84 glory but 32 71 fair 65

Step IV : south 84 glory 71 but 32 fair 65

Step V : south 84 glory 71 fair but 32 65

Step VI : south 84 glory 71 fair 65 but 32

and step VI is the last step of the rearrangement.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

29. Step III of an input is : year 92 ultra 15 23 strive house 39.

How many more steps will be required to complete the rearrangement ?

- (A) Three (B) Four
(C) Two (D) Five
(E) None of these

30. Input : any how 49 24 far wide 34 69.

Which of the following steps will be the last but one ?

- (A) VI (B) VII
(C) V (D) VIII
(E) None of these

31. Step II of an input is : town 74 pair 15 31 nice job 42

Which of the following is definitely the input ?

- (A) pair 15 31 town nice job 42 74
(B) pair 15 town 31 74 nice job 42
(C) pair 15 town 74 31 nice job 42
(D) Cannot be determined
(E) None of these

- (E) None of these

32. Input : play over 49 37 12 match now 81.

Which of the following will be step IV ?

- (A) play 81 over 49 37 match now
(B) play 8 over 49 37 12 match now
(C) play 81 over 49 now 37 match 12
(D) There will be no such step
(E) None of these

33. Step II of an input is : war 58 box cart 33 40 star 24.

Which of the following steps will be the last ?

- (A) V (B) VI
(C) IV (D) VII
(E) None of these

34. Input : shower fall water 34 51 67 98 goal.

How many steps will be required to complete the rearrangement ?

- (A) Three (B) Four
(C) Six (D) Five
(E) None of these

Directions—(Q. 35–40) In the following questions, the symbols ©, @, \$, % and ★ are used with following meanings as illustrated below—

'P @ Q' means 'P is not greater than Q'.

'P % Q' means 'P is not smaller than Q'.

'P ★ Q' means 'P is neither smaller than nor equal to Q'.

'P © Q' means 'P is neither greater than nor equal to Q'.

'P \$ Q' means 'P is neither greater than nor smaller than Q'.

In each question four statements showing relationship have been given, which are followed by four conclusions I, II, III and IV. Assuming that the given statements are true, find out which conclusion(s) is/are **definitely true**.

35. Statements :

M © D, D ★ K, K @ R, R ★ F

Conclusions :

I. F © K

II. D ★ F

III. M © R

IV. D ★ R

(A) None is true

(B) Only I is true

(C) Only II is true

(D) Only III is true

- (E) Only IV is true

36. Statements :

B % K, K \$ T, T ★ F, H © F

Conclusions :

I. B \$ T

II. T © B

III. H © K

IV. F © B

(A) Only either I or II is true

(B) Only III is true

(C) Only IV is true

(D) Only III and IV are true

(E) Only either I or II and III and IV are true

37. Statements :

W ★ B, B @ F, F © R, R \$ M

Conclusions :

I. W ★ F

II. M ★ B

III. R ★ B

IV. M ★ W

- (A) Only I and IV are true
 (B) Only II and III are true
 (C) Only I and III are true
 (D) Only II and IV are true
 (E) None of these
38. **Statements :**
 $E @ K, K \$ T, T \odot N, B \% N$
Conclusions :
 I. $T \% E$ II. $K \odot N$
 III. $B \star T$ IV. $B \star E$
- (A) Only I, II and III are true
 (B) Only II, III and IV are true
 (C) Only I, III and IV are true
 (D) All are true
 (E) None of these
39. **Statements :**
 $Z \$ B, B \% M, M \odot F, F @ R$
Conclusions :
 I. $Z \star M$ II. $F \star B$
 III. $R \star M$ IV. $M @ Z$
- (A) Only I and II are true
 (B) Only I, III and IV are true
 (C) Only III and IV are true
 (D) Only either I or IV and III are true
 (E) None of these
40. **Statements :**
 $H @ T, T \$ N, F \odot N, B \% F$
Conclusions :
 I. $F @ H$ II. $F \odot T$
 III. $B \star T$ IV. $B \% H$
- (A) None is true
 (B) Only I is true
 (C) Only II is true
 (D) Only III and IV are true
 (E) Only II and III are true
- Directions—(Q. 41–45) Study the following information carefully and answer the questions given below—**
- P, Q, R, S, T, V and W are seven students of a school. Each of them studies in different standard from Standard IV to Standard X not necessarily in the same order. Each of them has favourite subject from English, Science, History, Geography, Mathematics, Hindi and Sanskrit not necessarily in the same order.
- Q studies in VII Standard and does not like either Mathematics or Geography. R likes English and does not study either in V or in IX. T studies in VIII Standard and likes Hindi. The one who likes Science studies in X Standard. S studies in IV Standard. W likes Sanskrit. P does not study in X Standard. The one who likes Geography studies in V Standard.
41. In which standard does W study ?
 (A) VII (B) IX
 (C) X (D) Data inadequate
 (E) None of these
42. Which subject does P like ?
 (A) Geography (B) Mathematics
 (C) English (D) History
 (E) None of these
43. Which subject does S like ?
 (A) History (B) Geography
 (C) Mathematics (D) Data inadequate
 (E) None of these
44. In which standard does P study ?
 (A) IV (B) VII
 (C) IX (D) X
 (E) None of these
45. Which of the following combination of student-standard-subject is correct ?
 (A) T-VIII-Mathematics
 (B) W-VII-Sanskrit
 (C) Q-VII-Geography
 (D) V-X-Science
 (E) None of these
- Directions—(Q. 46–50) Study the following information carefully and answer the questions given below—**
- Following are the conditions for selecting Systems Manager in an organization—
 The candidate must—
 (i) be a graduate engineer in IT, Computer Science, Electronics with at least 60 per cent marks.
 (ii) be at least thirty years and not more than forty years as on 1.9.2009.

- (iii) have secured at least 40 per cent marks in the written examination.
- (iv) have secured at least 50 per cent marks in the selection interview.
- (v) have post qualification work experience of at least ten years in the systems department of an organisation.

In the case of a candidate who satisfies all the conditions **EXCEPT**—

- (a) at (i) above, but has secured at least 60 per cent marks in ME-IT or Computer Science, the case is to be referred to DGM-Systems.
- (b) at (v) above, but has post qualification experience of at least five years as Deputy Systems Manager the case is to be referred to the GM-Systems.

In each question below, details of one candidate are given. You have to take one of the following courses of actions based on the information provided and the conditions and sub-conditions given above and mark the letter of that course of action as your answer. You are not to assume anything else other than the information provided for each candidate. All these cases are given to you as on 1.9.2009. Mark answer :

(A) If the candidate is to be selected

- (B) If the candidate is **not** to be selected
 - (C) If the case is to be referred to DGM-Systems.
 - (D) If the case is to be referred to GM-Systems.
 - (E) If the data provided are not adequate to take a decision.
46. Samir Ghosh was born on 25th May 1978. He has secured 65 per cent marks in BE-IT in the year 1999. Since then he is working in the systems department of an organization. He has secured 50 per cent marks in both written examination and selection interview.
47. Navin Prakash has secured 62 per cent marks in BE-Computer Science. He has been working in the systems department of an organization since July 1999 after completion of BE. He was born on 4th April 1974. He has secured 55 per cent marks in selection interview and 45 per cent marks in the written examination.

48. Neeta Pathak has been working as Deputy Systems Manager in an organization for the past seven years after completing her BE in IT with 70 per cent marks. She has secured 45 per cent marks in selection interview and 55 per cent marks in the written examination. She was born on 12th November 1978.

49. Ashok Malhotra was born on 19th March 1977. He has secured 56 per cent marks in both selection interview and written examination. He has secured 58 per cent marks in BE-IT and 72 per cent marks in ME-IT. He has been working in the systems department of an organization for the past eleven years after completing ME-IT.

50. Gamma D'Souza was born on 15th December 1972. She has secured 60 per cent marks in both written examination and selection interview. She has been working as Deputy Systems Manager for the last six years in an organization after completing her BE-Electronics with 75 per cent marks.

Directions—(Q. 51–55) Study the following information carefully and answer the questions given below—

- (i) A, B, C, D, E, F, G and H are eight students each having a different height.
- (ii) D is shorter than A but taller than G.

- (iii) E is taller than H but shorter than C.
- (iv) B is shorter than D but taller than F.
- (v) C is shorter than G.
- (vi) G is not as tall as F.

51. Which of the following is definitely false ?

- (A) G is shorter than F
- (B) C is shorter than F
- (C) F is taller than C
- (D) B is taller than E
- (E) All are true

52. If another student J who is taller than E but shorter than G is added to the group, which of the following will be definitely true ?

- (A) C and J are of same height
- (B) J is shorter than D
- (C) J is shorter than H
- (D) J is taller than A
- (E) None of these

53. Which of the following will definitely be the third from top when the eight students are arranged in descending order of height ?
 (A) B (B) F
 (C) G (D) B or G
 (E) Cannot be determined
54. How many of them are definitely shorter than F ?
 (A) Three (B) Four
 (C) Five (D) Data inadequate
 (E) None of these
55. Which of the following is redundant to answer all the above questions ?
 (A) (ii) only (B) (ii) and (iii) only
 (C) (iii) and (iv) only (D) (ii) and (v) only
 (E) All are necessary to answer the above questions

Directions—(Q. 56–60) Below is given a passage followed by several possible inferences which can be drawn from the facts stated in the passage. You have to examine each inference separately in the context of the passage and decide upon its degree of truth or falsity. Mark answer :

- (A) If the inference is 'definitely true' i.e., it

economy. A whole series of glaring anomalies do need to be addressed. For one, there's far too much reliance on ground water. For another, our water infrastructure for storage and supply is sorely inadequate. Worse, policy distortions in artificially under pricing key agri-inputs like power have perversely incentivised cultivation of water intensive crops like paddy in traditionally wheat growing areas.

56. India has failed to take measures to recharge groundwater adequately in northern part.

57. Wheat cultivation in India requires comparatively more water than paddy.

58. Water level in other parts of India is stable during the last decade.

59. India has now put in place a system to reduce over dependence on groundwater.

60. Adequate monsoon helps in drawing less ground water for cultivation and thus preserve balance.

Directions—(Q. 61–65) In making decisions about important questions, it is desirable to be able to distinguish between 'strong' arguments and 'weak' arguments. 'Strong' arguments must be important and directly related to the question.

properly follows from the statement of facts given.

- (B) If the inference is 'probably true' though not 'definitely true' in the light of the facts given.

- (C) If the data are inadequate i.e. from the facts given you cannot say whether the inference is likely to be true or false.

- (D) If the inference is 'probably false' though not 'definitely false' in the light of the facts given.

- (E) If the inference is 'definitely false' i.e., it cannot possibly be drawn from the facts given or it contradicts the given facts.

A recent report that satellite data shows groundwater levels in northern India depleting by as much as a foot per year, over the past decade, is a matter of concern. The clear writing on the wall is that India faces a turbulent water future and veritable crisis without proactive policy and sustainable practices. Besides, the poor monsoon this season and the resultant drought situation pan-India calls for sustained policy focus on the water

'Weak' arguments may not be directly related to the question and may be of minor importance or may be related to the trivial aspects of the question.

Each question below is followed by three arguments numbered I, II, and III. You have to decide which of the argument(s) is/are 'strong' and indicate your answer accordingly.

61. Should the Govt. restrict use of electricity for each household depending upon the requirement ?

Arguments :

- I. Yes, this will help government tide over the problem of inadequate generation of electricity.
- II. No, every citizen has right to consume electricity as per their requirement as they pay for using electricity.
- III. No, the Govt. does not have the machinery to put such restriction on use of electricity.

- (A) Only I is strong

- (B) Only II is strong

- (C) Only I and II are strong
- (D) Only II and III are strong
- (E) All I, II and III are strong

62. Should the Govt. order closure of all educational institutions for a month to avoid fast spreading of the contagious viral infection ?

Arguments :

- I. No, closure of educational institution alone is not the solution for curbing spread of viral infection.
 - II. No, students will visit crowded places like malls, markets, playgrounds etc. in more numbers and spread the disease, as they will have lot of spare time at their disposal.
 - III. Yes, young persons are more prone to get affected by the viral infection and hence they should remain in doors.
- (A) None is strong
 - (B) Only I is strong
 - (C) Only III is strong
 - (D) Only I and II are strong
 - (E) All I, II and III are strong

63. Should the Govt. ban export of all types of

food grains for the next one year to tide over the unpredicted drought situation in the country ?

Arguments :

- I. Yes, there is no other way to provide food to its citizen during the year.
 - II. No, the Govt. does not have its jurisdiction over private exporters for banning exporters.
 - III. Yes, the Govt. should not allow the exporters to export food grains and procure all the food grains held by such exporters and make it available for home consumption.
- (A) Only I and II are strong
 - (B) Only II and III are strong
 - (C) Only I and III are strong
 - (D) All I, II and III are strong
 - (E) None of these

64. Should there be a common syllabus for all subjects in graduate courses in all the universities across the country ?

Arguments :

- I. Yes, this is the only way to spring in uniformity in the education system in the country.
 - II. Yes, it will help standardize the quality of graduation certificates being given by different universities in the country.
 - III. No, each university should have the autonomy to decide its syllabus based on the specific requirement of the university.
- (A) None is strong
 - (B) Only I is strong
 - (C) Only II is strong
 - (D) Only I and II are strong
 - (E) Only II and III are strong

65. Should all those students who failed in one or two subjects in HSC be allowed to take admission in degree courses and continue their study subject to their successfully passing in the supplementary examination ?

Arguments :

- I. Yes, this will help the students to complete their education without a break of one year.
- II. Yes, this is a forward looking strategy to help the students and motivate them for

higher studies.

III. No, such students do not choose to continue their studies without having passed in all the subjects in HSC.

- (A) Only I is strong
- (B) Only II is strong
- (C) Only III is strong
- (D) Only either II or III and I are strong
- (E) None of these

66. Effect—At least twenty school children were seriously injured while going for a school picnic during the weekend.

Which of the following can be a probable cause of the above effect ?

- (A) The teacher accompanying the school children fell ill during the journey.
- (B) The bus in which the children were travelling met with an accident while taking turn on the main highway.
- (C) The driver of the bus in which the children were travelling did not report

after the break at the halting place on their journey.

- (D) The school authority banned all school picnics for the next six months with immediate effect.
(E) None of these

67. **Cause**—Govt. has recently decided to hike the procurement price of paddy for the rabi crops.

Which of the following will be a possible effect of the above cause ?

- (A) The farmers may be encouraged to cultivate paddy for the rabi season.
(B) The farmers may switch over to other cash crops in their paddy fields.
(C) There was a drop in production of paddy during Khariff season.
(D) Govt. may not increase the procurement price of paddy during the next Khariff season.
(E) Govt. will buy paddy from the open market during the next few months.

68. **Statement**—Many patients suffering from malaria were administered anti-malarial drug for a week. Some of them did not respond to

the traditional drug and their condition deteriorated after four days.

Which of the following would weaken the findings mentioned in the above statement ?

- (A) Those patients who responded to the traditional drugs and recovered were needed to be given additional doses as they reported relapse of symptoms.
(B) The mosquitoes carrying malaria are found to be resistant to traditional malarial drugs.
(C) Majority of the patients suffering from malaria responded well to the traditional malarial drugs and recovered from the illness.
(D) Many drug companies have stopped manufacturing traditional malarial drugs.
(E) None of these

69. **Statement**—The cost of manufacturing cars in state A is thirty per cent less than the cost of manufacturing cars in state B. Even after transportation fee for the differential distances of states A and B and the interstate taxes, it is

cheaper to manufacture cars in state B than state A for selling these cars in State C.

Which of the following supports the conclusion drawn in the above statement ?

- (A) The cost of transportation from state A to state C is more than thirty per cent of the production cost.
(B) The production costs of cars in state B are lower in comparison to state A.
(C) Only Entry tax at state C is more for the products originated in state A.
(D) Entry tax at state C is more for the products originated in state B.
(E) The total of transportation cost of cars from state B to state C and entry tax of cars at state C is less than thirty per cent of the production cost of cars in state B.

70. **Statement**—Many people are of the opinion that use of cell phones in offices for personal should totally be banned. It has been found in a research study that there was significant drop in output of employees in the organisation where use of cell phones was not allowed vis-a-vis those organizations where use of cell phones are banned for making personal calls.

Which of the following contradicts the findings of stated in the above statement ?

- (A) People spend more time on talking while using cell phone for personal calls.
(B) Use of cell phones has become common in all the organizations.
(C) In the organization where employees were allowed to use cell phones for making personal calls the employees are found to be more motivated to carry out their duties than those working in other organizations.
(D) Many organizations who provide cell phones to their employees for making official calls advise them to refrain from making personal calls during office hours.
(E) None of these

Directions—(Q. 71-75) In each question below is given a statement followed by three courses of action numbered I, II and III. A course of action is a step or administrative decision to be taken for improvement, follow-up or further

action in regard to the problem, policy, etc. On the basis of the information given in the statement, you have to assume everything in the statement to be true, then decide which of the suggested courses of action logically follow(s) for pursuing.

71. **Statements :** The members belonging to two local clubs occasionally fight with each other on the main road and block traffic movement.

Courses of action :

- I. The local police station should immediately deploy police personnel round the clock on the main road.
 - II. Those involved in fighting should be identified and put behind bars.
 - III. The local administration should disband the management of the two clubs with immediate effect.
- (A) Only I and II follow
(B) Only II and III follow
(C) Only I and III follow
(D) All I, II and III follow
(E) None of these

72. **Statement :** Many students of the local school fell ill for the fourth time in a row in the last six months after consuming food

prepared by the school canteen.

Courses of action :

- I. The school management should immediately terminate the contract of the canteen and ask for compensation.
 - II. The school management should advise all the students not to eat food articles from the canteen.
 - III. The owner of the canteen should immediately be arrested for negligence.
- (A) None follows
(B) Only II follows
(C) Only III follows
(D) Only I and II follow
(E) Only II and III follow
3. **Statement :** Many school buses have fitted CNG Kit without observing the safety guidelines properly. This results into some instances of these buses catching fire due to short circuit and endangering the lives of the school children.

Courses of action :

- I. The regional transport authority should immediately carry out checks of all the school buses fitted with CNG kit.
 - II. The management of all the schools should stop hiring buses fitted with CNG kit.
 - III. The Govt. should issue a notification banning school buses for use of CNG Kit.
- (A) Only I follows
(B) Only II follows
(C) Only III follows
(D) Only I and III follow
(E) None of these

74. **Statement :** A sudden cloud burst over the island city resulted into unpredicted rainfall causing flood like situation in the entire area. Large number of people were caught unaware and were stranded of the road.

Courses of action :

- I. The local administration should immediately put in place an action plan for avoiding such situation in future.
- II. The local administration should immediately deploy personnel to help the stranded people to move to safer places.

- III. The local administration should advise all the citizens not to venture out on the road till situation improves.

- (A) Only I follows
(B) Only II follows
(C) Only III follows
(D) Only II and III follow
(E) All I, II and III follow

75. **Statement :** It is reported that during the last fortnight there has been three cases of near miss situation involving two aircrafts over the busy city airport. In all these cases both the aircrafts came perilously close to each other and could avoid collision as the pilots acted just in time.

Courses of action :

- I. The pilots of all the six aircrafts involved in these incidents should immediately be de-rostered.
- II. Some flights should be diverted to other airports for the next few months to decongest the sky over the city airport.

III. Air traffic controllers of the city airport should be sent for refresher courses in batches to prepare themselves to handle such pressure situation.

- (A) Only I follows
- (B) Only II follows
- (C) Only III follows
- (D) Only II and III follow
- (E) None of these

76. A, B, C, D and E are five students in a class. D did not enter alongwith A or E but entered before C. B did not enter before C but entered alongwith A. E was not the last to enter.

Which of the following is definitely true ?

- (A) C entered the class only after D
- (B) D entered the class only after E
- (C) B entered the class after A
- (D) A entered the class after D
- (E) None of these

77. D is brother of K. M is sister of K. T is father of R who is brother of M. F is mother of K. At least how many sons does T and F have ?

- (A) Two
- (B) Three
- (C) Four
- (D) Data inadequate

(E) None of these

78. **Statement :** In a move that could provide some respite to ailing airline companies, the government is looking at allowing them to import jet fuel on their own.

Which of the following can be definitely concluded from the above statement ?

- (A) Airline companies in the past have imported jet fuel
- (B) The price of imported jet fuel is less than the price of jet fuel available in the local market.
- (C) Central Govt. will lose huge amount of money if jet fuel is imported.
- (D) Airline companies are making considerable profit in the recent months.
- (E) None of these

79. **Statement :** Some of the country's largest food beverage and pharma companies may be forced to import sugar directly as the

government plans to improve stock limits on industrial consumers to ease the shortage in grocery shops and cool down prices that are at a 28 month high.

Which of the following substantiates the views expressed in the above statement ?

- (A) Food, beverage and pharma companies were not allowed in the past to import sugar.
- (B) Sugar prices have been fluctuating for the past seven months.
- (C) Govt. does not have authority to restrict purchase of sugar from the open market.
- (D) Import of sugar for commercial use will help lowering down the sugar price in the retail market.
- (E) None of these

80. **Statement :** A recent review reported that India's fashion industry has been severely affected due to a slump in demand for luxury apparel, leather goods, besides gems and jewellery in domestic as well international markets.

Which of the following contradicts the views expressed in the above statement ?

- (A) India's fashion industry has been growing till last year.
- (B) Govt. has helped India's fashion industry to grow in the past.
- (C) Domestic market of fashion goods reflects the sentiments of international market.
- (D) Share of fashion goods manufactured by India is negligible in the international market.
- (E) None of these

Answers with Hints

1. (A) Words formed are : SATEM, STEAM and TEAMS.

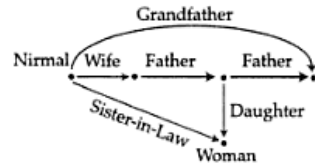
2. (D) Numbers of factors of all the rest are odd while the number of factors of 54 is 4 is even.

3. (C) S A F E R → 5 @ 3 # 2

and R I D E → 2 @ % #

∴ F E D S → 3 # % 5

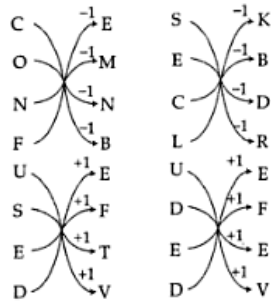
4. (B)



Hence the woman is the sister-in-law of Nirmal.

5. (A) All the next are bakes.

6. (C) As, Similarly,



7. (A)

8. (B) $\begin{matrix} 9 & 2 & 5 & 4 & 7 & 1 & 6 \\ 1 & 2 & 4 & 5 & 6 & 7 & 9 \end{matrix}$

9. (C) bring the white board

→ ka na di pa ... (1)

white and black board

→ na di sa ra ... (2)

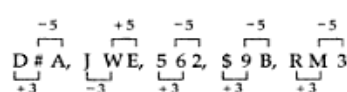
∴ the → ka or pa

10. (D) $K > B > F$, W and $F > J$

∴ 3rd heaviest is W .

11. (C) 19th from the right is 'W' and 7th to the right of 'W' is 'Z'.

12. (B)



13. (E) @DF#RN, ©WP and \$HU

14. (C) F3#, and B7\$

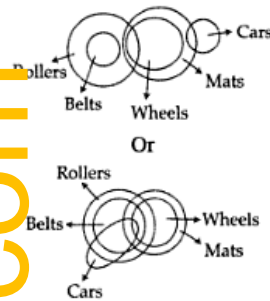
15. (A) $\begin{matrix} 8 @ D, & \# N 1, & W \delta J, & 5 \star 6, & 7 H U \\ +2 +1 & +2 +1 & +2 +1 & +2 +1 & +2 +1 \end{matrix}$

16. (D) After removing all the numbers :

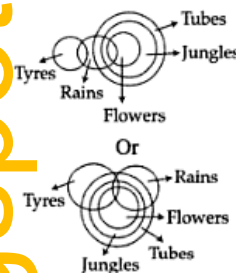
Y A @ D F # R N M © W P δ J E Z ★ Q B
H U I K

Here 14th element from the left is 'J'.

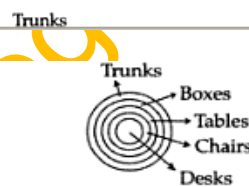
17. (C)



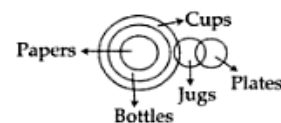
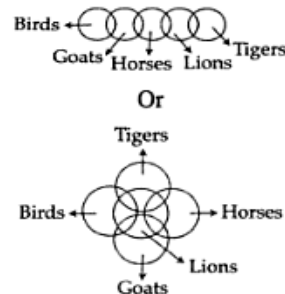
18. (B)

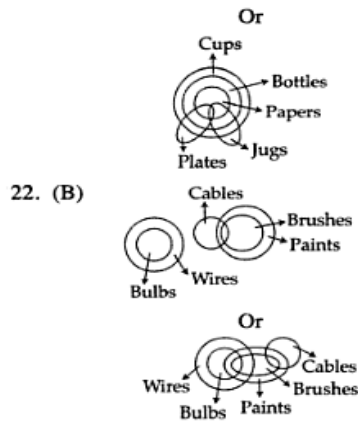


19. (A)



20. (C)





23. (D) 24. (A) 25. (C) 26. (E) 27. (B)

28. (C)

29. (B) Step III : year 92 ultra 15 23 strive house 39.

Step IV : year 92 ultra 39 15 23 strive house.

Step V : year 92 ultra 39 strive 15 23 house.

Step VI : year 92 ultra 39 strive 23 15 house.

Step VII : year 92 ultra 39 strive 23 house 15.

Hence four more steps will be required to

complete the rearrangement.

30. (C) **Input** : any how 49 24 far wide 34 69

Step I : wide any how 49 24 far 34 69.

Step II : wide 69 any how 49 24 far 34.

Step III : wide 69 how any 49 24 far 34.

Step IV : wide 69 how 49 any 24 far 34.

Step V : wide 69 how 49 far any 24 34.

Step VI : wide 69 how 49 far 34 any 24.

∴ The last but one step is V.

31. (D)

32. (D) **Input** : play over 49 37 12 match now 81.

Step I : play 81 over 49 37 12 match now.

Step II : play 81 over 49 now 37 12 match.

Step III : play 81 over 49 now 37 match 12.

33. (B) **Step II** : war 58 box cart 33 49 star 24.

Step III : war 58 star box cart 33 49 24.

Step IV : war 58 star 49 box cart 33 24.

Step V : war 58 star 49 cart box 33 24.

Step VI : war 58 star 49 cart 33 box 24.

∴ The last step is VI.

34. (D) **Input** : shower fall water 34 51 67 98 goal

Step I : water shower fall 34 51 67 98 goal.

Step II : water 98 shower fall 34 51 67 goal.

Step III : water 98 shower 67 fall 34 51 goal.

Step IV : water 98 shower 67 goal fall 34 51.

Step V : water 98 shower 67 goal 51 fall 34.

∴ Step V is the last step.

35. (A) $M \odot D \rightarrow M < D$,

$D \star K \rightarrow D > K$,

$K @ R \rightarrow K \leq R$

and $R \star F \rightarrow R > F$

∴ $M < D > K \leq R > F$

I : $F \odot K \rightarrow F < K$ (False)

II : $D \star F \rightarrow D > F$ (False)

III : $M \odot R \rightarrow M < R$ (False)

IV : $D \star R \rightarrow D > R$ (False)

36. (E) $B \% K \rightarrow B \geq K$,

$K \$ T \rightarrow K = T$,

and $T \star F \rightarrow T > F$

and $H \odot F \rightarrow H < F$

∴ $B \geq K = T > F > H$

I : $B \$ T \rightarrow B = T$ } either I or II is True

II : $T \odot B \rightarrow T < B$

III : $H \odot K \rightarrow H < K$ (True)

IV : $F \odot B \rightarrow F < B$ (True)

37. (B) $W \star B \rightarrow W > B$,

$B @ F \rightarrow B \leq F$,

$F \odot R \rightarrow F < R$

and $R \$ M \rightarrow R = M$

∴ $W > B \leq F < R = M$

I : $W \star F \rightarrow W > F$ (False)

II : $M \star B \rightarrow M > B$ (True)

III : $R \star B \rightarrow R > B$ (True)

IV : $M \star W \rightarrow M > W$ (False)

38. (D) $E @ K \rightarrow E \leq K$,

$K \$ T \rightarrow K = T$,

$T \odot N \rightarrow T < N$

and $B \% N \rightarrow B \geq N$

∴ $E \leq K = T < N \leq B$

I : $T \% E \rightarrow T \geq E$ (True)

II : $K \odot N \rightarrow K < N$ (True)

- III : $B \star T \rightarrow B > T$ (True)
 IV : $B \star E \rightarrow B > E$ (True)
 39. (C) $Z \$ B \rightarrow Z = B$,
 $B \% M \rightarrow B \geq M$,
 $M \odot F \rightarrow M < F$
 and $F @ R \rightarrow F \leq R$
 $\therefore Z = B \geq M < F \leq R$
 I : $Z \star M \rightarrow Z > M$ (False)
 II : $F \star B \rightarrow F > B$ (False)
 III : $R \star M \rightarrow R > M$ (True)
 IV : $M @ Z \rightarrow M \leq Z$ (True)
 40. (C) $H @ T \rightarrow H \leq T$,
 $T \$ N \rightarrow T = N$,
 $F \odot N \rightarrow F < N$
 and $B \% F \rightarrow B \geq F$
 $\therefore H \leq T = N > F \leq B$
 I : $F @ H \rightarrow F \leq H$ (False)
 II : $F \odot T \rightarrow F < T$ (True)
 III : $B \star T \rightarrow B > T$ (False)
 IV : $B \% H \rightarrow B \geq H$ (False)

For Q. 41 to 45 :

P	V	Geography
Q	VII	History
R	VI	English
S	IV	Maths
T	VIII	Hindi
V	X	Science
W	IX	Sanskrit

41. (B) 42. (A) 43. (C) 44. (E) 45. (D)
 46. (E) There is no any information about the month in the year 1999. Hence provided data are not adequate.
 47. (A) As Naveen Prakash fulfils all the conditions, so his selection is to be done.
 48. (B) So Neeta Pathak does not fulfil the condition (iv), so her selection is not to be done.
 49. (C) Ashok Malhotra does not fulfil the condition (i) but he secure 72% marks in ME-IT. Hence according to (a) his case will be referred to DGM system.
 50. (D) Gemma D'souza does not fulfil the condition (v) but he has 6 years experience as Manager sub-systems. Hence according to (b) his case will be referred to GM systems.

For Q. 51 to 55. :

 $H < E < C < G < F < B < D < A$

51. (E) 52. (B) 53. (A) 54. (B) 55. (E)
 56. (A) 57. (E) 58. (C) 59. (D) 60. (B)
 61. (A) Argument I is strong because this will help government to face the problem of inadequate generation of electricity while II and III arguments are weak.
 62. (D) On closing the educational institution, there will be a loss of education for student while it is not the only reason for spreading viral infection. It can spread any where. There are large number of people. Hence I and II arguments are strong while III is weak.
 63. (C) Arguments I and III are strong because it will help to provide food to citizens during the year and by not allowing the exporters to export food grains will meet the challenge of the tight situation in the country. But argument II is weak.
 64. (D) It will create uniformity in the education system in the country and will be helpful to standardize the quality of graduation certificates being given by different universities. So II arguments are strong while III is weak hence weak.
 65. (E) Arguments I and II are strong because it will help the students to complete their education without a break of one year and will also motivate them for higher education. The argument III is weak.
 66. (E) 67. (C) 68. (B) 69. (E) 70. (A)
 71. (B) 72. (E) 73. (A) 74. (E) 75. (D)
 76. (D) $\begin{array}{ccccc} & D & E & C & B \\ & \uparrow & \uparrow & & \uparrow \\ E & & & & A \end{array}$
 or
 $\therefore A$ entered the class after D.
 77. (A) $\begin{array}{ccccc} & M & & & \\ & \uparrow & & & \\ D & \text{Brother} & K & \text{Brother} & R & \text{Father} & T \\ & & \downarrow & & & & \\ & & F & & & & \end{array}$
 $\therefore T$ and F have atleast two sons.
 78. (B) 79. (D) 80. (E)

General Awareness

1. The last year's Union Budget (2000-01) envisaged certain changes in labour laws. Which of the following is NOT TRUE about it ?
 - (1) Companies with fewer than 1000 workers are allowed to close down without prior permission of the Govt.
 - (2) Any company having a turnover of 150 crores in a year will have to give Bonus to its workers.
 - (3) All the companies engaged in manufacturing products meant for exports should have atleast 270 working days otherwise their licences will not be renewed.
 - (A) Only 1
 - (B) Only 2
 - (C) Only 3
 - (D) Only 2 & 3
 - (E) Only 1 & 3
2. Since last few years tribals in certain parts of Orissa are struggling to get their land back which has illegally been captured by the—
 - (A) builders and developers of housing colonies
 - (B) immigrants from Bangladesh
 - (C) rich Jamidars who were originally owning that land
 - (D) the naxalites who are very active in the area
 - (E) govt. who is planning three big dams their
3. Which of the following represents the period of 'The Asia and the Pacific Decade of the Disabled Persons' ?
 - (A) 1995-2004
 - (B) 1993-2002
 - (C) 1998-2007
 - (D) 2001-2009
 - (E) None of these
4. Which of the following is TRUE about the 'Doha Declaration' which was in news recently ?
 - (1) The declaration permits ways to produce cheaper drugs to combat AIDS.
 - (2) It helped India in protecting some of its patents of Basmati Rice and Darjeeling Tea etc.
 - (3) No country will be allowed to export any agricultural products till 2005, the date by which the draft of the declaration is to be finalized.
 - (A) Only 1
 - (B) Only 2
 - (C) Only 3
 - (D) Only 1 & 2
 - (E) Only 1 & 3
5. Which of the following was the reason owing to which the winter session of the Parliament was adjourned *sine die* two days in advance in December 2001 ?
 - (1) Opposition did not allow any normal working to take place.
 - (2) Terrorist attack on the house on 13th December, 2001.
 - (3) To provide enough time to leaders to go for election meetings for Assembly elections in four states.
 - (A) Only 1
 - (B) Only 2
 - (C) Only 3
 - (D) Only 1 & 2
 - (E) Only 2 & 3
6. Which of the following is NOT TRUE about the 'Paris Meet' of steel producing countries held recently ?
 - (1) The meet decided to put a ban on import of steel from India till 2005.
7. The present global capacity is about 1 bn tonnes a year which is considered as surplus by 150 mn. tonnes.
 - (1) India got an export order of about Rs. 900 crore from USA & EU through this meet only.
 - (A) Only 1
 - (B) Only 2
 - (C) Only 3
 - (D) Only 1 & 3
 - (E) Only 1 & 2
8. The 92 constitutional Amendment Bill passed recently deals with which of the following ?
 - (A) Consequential promotions to SC/ST communities to continue in future also
 - (B) Making it mandatory to provide atleast 10% regular jobs to physically Handicapped every year
 - (C) Approving Hindi version of the Indian constitution
 - (D) Increase in the salaries of the President and Vice President of India
9. Which of the following is NOT TRUE about the 'Paris Meet' of steel producing countries held recently ?
 - (1) The meet decided to put a ban on import of steel from India till 2005.
10. The satellite will be used in monitoring the movement of public buses in—
 - (A) Mumbai
 - (B) Kolkata
 - (C) Hyderabad
 - (D) Chennai
 - (E) New Delhi
11. India's export of China during the last nine month grew approximately—
 - (A) 10%
 - (B) 20%
 - (C) 30%
 - (D) 40%
 - (E) 53%
12. The export of Basmati rice from India attracted how much amount during 2000-01 ? (Approximately in Rs. Crores)
 - (A) 1500
 - (B) 2000
 - (C) 2800
 - (D) 3600
 - (E) 4300
13. The CEBIT-2002, the biggest communication and information technology show was organized in—
 - (A) Hanover
 - (B) Berlin
 - (C) London
 - (D) Tokyo
 - (E) New Delhi

- (E) None of these
8. The United Nations Organisations sponsored conference on Afghanistan held recently in—
 (A) Petersburg (B) New York
 (C) Geneva (D) Moscow
 (E) Kandahar
9. Which of the following has been included in the list of fundamental rights to Indian citizen?
 (A) Job to each and every single woman who has obtained a post graduation Degree and is not more than 29 years of age
 (B) Equal opportunities to every woman wishing to join Indian Defence services at any level/position
 (C) Education to all children between 6-14 years of age
 (D) Social security to every person who has attained the age of 70 years but does not have regular income to support him/her self
 (E) None of these
10. The Automatic Fleet Management system tracking the movement of vehicles through
14. Which of the following is a technique of water harvesting and is very popular in Rajasthan ?
 (A) Ghoomar (B) Ghotlu
 (C) Tekari (D) Johad
 (E) None of these
15. Which one of the following statements is TRUE about India's Software export to Germany ?
 (1) The export registered a growth of 48% during 2000-01.
 (2) Germany is the biggest importer of India's Software and Services.
 (3) During 2000-01, Germany imported software and services from India of a worth amounting to Rs. 235 million dollars.
 (A) Only 1
 (B) Only 2
 (C) Only 1 & 2
 (D) Only 2 & 3
 (E) Only 3
16. Which of the following is providing financial credit to Karnataka in its rural water supply and sanitation project for North Karnataka ?
 (A) The World Bank
 (B) The Asian Development Bank
 (C) The French Govt.
 (D) US Dept. of Civil Amenities
 (E) None of these
17. The North-Eastern States form nearly what percentage of India's total geographical area ?
 (A) 15% (B) 10%
 (C) 8% (D) 5%
 (E) 3%
18. As per figures released recently the outstanding Foreign Debt of India has—
 (A) reduced (compared to last year's same period)
 (B) been stable since last six months
 (C) increased marginally
 (D) increased substantially
 (E) been stable as India has not taken any new loan in 2000-2001
19. Which of the following PSUs is now a member of the Tata Group of Companies ?
 (A) Bharat Petroleum
 (B) Bharat Sanchar Nigam Ltd.
 (C) Videsh Sanchar Nigam Ltd.
 (D) Nuclear Power Corporation Ltd.
 (E) None of these
20. For a country willing to join the European Union should not have an annual budget deficit more than the level of—
 (A) 3% (B) 8%
 (C) 5-5% (D) 11%
 (E) None of these
21. The headquarter of the European Central Bank established in 1998 is at—
 (A) London
 (B) Berlin
 (C) Frankfurt
 (D) Lisbon
 (E) None of these
22. Which of the following items contributed asserting equal rights
23. Which of the following is the deadline given to the members of 'Euro Monetary Union (EMU)' to withdraw their national currencies from circulation ?
 (A) 1st Jan., 2002
 (B) 1st July, 2002
 (C) 1st Sept., 2002
 (D) 1st Dec., 2002
 (E) None of these
24. 'Disha' a voluntary organisation active in Uttar Pradesh is engaged in which of the following areas ?
 (A) Eradication of child labour
 (B) Eradication of illiteracy
 (C) Water harvesting and preservation of drinking water
 (D) Mobilization of women workers and asserting equal rights
 (E) None these
25. Which of the following groups of states is the group where maximum number of 'Self Help Groups' are functioning and banks are providing more than 70% of their total lending to these groups ?
 (A) Andhra Pradesh, Karnataka, Kerala and Tamil Nadu
 (B) Tamil Nadu, Orissa, Gujarat, Himachal Pradesh
 (C) Himachal Pradesh, Uttar Pradesh, Rajasthan
 (D) Uttar Pradesh, Madhya Pradesh, Bihar
 (E) None of these
26. The crime rate is highest in which of the following amongst the metropolitan cities ?
 (A) Mumbai
 (B) Delhi
 (C) Kolkata
 (D) Chennai
 (E) None of these
27. Forest area as percentage to total geographical

maximum in total export of telecom equipments from India during 2000-01 ?
(A) Satellite Communication

area (in North-Eastern states) is maximum in—
(A) Assam

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- (B) Manipur
(C) Nagaland
(D) Tripura
(E) Arunachal Pradesh
28. As per projections made by the R. B. I. the growth rate of G.D.P. for 2000-01 would be (actual figures are yet to be released)—
(A) reduced by 1% and would be at 5-6%
(B) increased by 2% and would be now 6-6%
(C) same as it was for the 1999-2000
(D) 7% as projected by the planning commission also
(E) not more than 3-5%
29. As per provisional figures released by the CSO (Central Statistical Organisation) the industrial growth of the country for the 5 months of 2001-02 has been—
(A) 2.2% which is highly satisfactory
(B) 2.2% which is highly depressive
(C) 2.2% which is almost same as it was last year
(D) 2.2% lower than what it was last year
(E) None of these
30. Which of the following gives the position of India's Export-Import during the first six months of current fiscal, 2001-02 ?
(A) Export declined while import has gone up
(B) Import declined while export has gone up
(C) Export and Import both declined
(D) Both were stable and almost equal
(E) None of these
31. Which of the following items does not fall in the category of items being exported from India?
(A) Tea (B) Footwear
(C) Milk (D) Steel
(E) Garments
32. Which of the following is the correct full form of TRIPS ?
(A) Trade Related Insurance and Protection Services
(B) Trade Regulation and Insurance Providing Services
(C) Technical Regulations Index Protection Services
(D) Trade Related Intellectual Property Rights
(E) None of these
33. A new export zone for giving boost to export of mangoes is being set up in—
(A) Uttar Pradesh
(B) Maharashtra
(C) Madhya Pradesh
(D) Rajasthan
(E) Bihar
34. Which of the following is NOT TRUE about the 'Grain Bank' set up recently by the Central and State Governments ?
(1) The bank will be set up in 1-14 lakhs villages in tribal areas.
(2) The cost of the project would be around Rs. 21000 crores.
(3) These banks would store about 100 lakhs tonnes of food grain for free distribution in the event of natural calamities.
(A) Only 1
(B) Only 2
(C) Only 3
(D) Only 1 & 2
(E) Only 2 & 3
35. Ms. Rehmat Sultan Fiazal hoi was honoured by Jannalal Bajaj Award 2001 for her contribution in the area of—
(A) Upliftment of women and children
(B) Constructive work
(C) Application of Science and Technology
(D) Promotion of Gandhian values outside India
(E) None of these
36. Which of the following is the reason owing to which Argentina had to face political turmoil and unrest ?
(A) America has declared it as a country supporting terrorism
(B) It has decided to change its political system from communism to democratic form of Government
(C) The country is almost bankrupt as economy has collapsed there

- (D) After general elections, new Govt. was not allowed to take over
(E) None of these
37. 'Sharda Act' is related with the—
(A) Child marriages
(B) Rent Control
(C) Elections of Local bodies
(D) Dual Citizenship to NRIs
(E) None of these
38. Indian Railways has got a contract to execute projects in exchange of crude oil from—
(A) Iran (B) Iraq
(C) Libya (D) U.A.E.
(E) None of these
39. The number of manufacturing enterprises is lowest in which of the following States ?
(A) Goa
(B) Tamilnadu
(C) Assam
(D) Orissa
42. In which of the following sectors the Foreign Direct Investment in India is maximum ? (In decade 1991–2001)
(A) Steel
(B) Telecom
(C) Service
(D) Hotel & Tourism
(E) Fuels
43. Which of the following countries has become the member of the World Trade Organisation (WTO) recently ?
(A) Vietnam
(B) Cuba
(C) India
(D) China
(E) None of these
44. Which of the following agencies directed the Govt. of India and State Governments to identify families living below poverty line ?
(A) World Trade Organisation
(B) U. N. O.
(C) Supreme Court of India

- (E) None of these
40. From December 2001, the Cash Reserve Ratio (CRR) is further slashed to the level of—
(A) 6% (B) 5.75%
(C) 5% (D) 5.5%
(E) 4.5%
41. Which of the following is true about the availability of per capita foodgrains in India ?
(1) The overall availability of foodgrain has increased substantially.
(2) The overall availability of foodgrain has fallen sharply.
(3) The availability of foodgrain has remained consistent since last 4 years as India has excess stock of foodgrains.
(A) Only 1
(B) Only 2
(C) Only 3
(D) Only 1 & 2
(E) Only 2 & 3
45. Which of the following companies is in the diamond business ?
(A) AT & T
(B) Omega
(C) De Beers
(D) Cathay Pacific
(E) None of these
46. Which of the following non-banking finance companies is now allowed to convert itself into a Bank ?
(A) Kotak Mahindra Finance Ltd.
(B) Birla Mutual Funds
(C) Peerless Finance
(D) Tata Finance
(E) None of these
47. Who amongst the following are the three biggest buyers of Indian goods ?
(A) USA, EU, Japan
(B) USA, China, Japan

- (C) Japan, Iran, South Africa
(D) South Africa, Iraq, Iran
(E) None of these
48. Decision to hold the elections for Panchayats is taken by the—
(A) Panchayat itself
(B) Union Government
(C) State Governments
(D) Election Commission of the Area
(E) None of these
49. Which of the following countries has made maximum foreign direct investment in India (in last decade 1991–2001) ?
(A) Mauritius
(B) U.S.A.
(C) U. K.
(D) Japan
(E) None of these

Answers

1. (D) 2. (A) 3. (A) 4. (D) 5. (B)

12. Rice at the price of Rs. 2943 crore was exported from India during the year 2000–2001.
18. The balance of foreign debt due on India at the end of March 2001 was 98.3 billion dollars when with a marginal increase has gone upto 99.6 billion dollars at the end of March 2001.
29. The overall industrial growth of the level 2.3% attained during the period of April–December 2001–2002 which is much less than the 5.8% level arrived at last year during the corresponding period.
33. In order to boost the export of mango. The APEDA–Government of India is going to set up a New Mango Export Zone at Malihabad zone of Lucknow in Uttar Pradesh like Agra which has been declared as the Potato Export zone last year in 2001 which includes

6. (D) 7. (A) 8. (A) 9. (C) 10. (A)
 11. (E) 12. (C) 13. (A) 14. (E) 15. (E)
 16. (A) 17. (C) 18. (C) 19. (C) 20. (A)
 21. (C) 22. (D) 23. (A) 24. (B) 25. (A)
 26. (B) 27. (C) 28. (A) 29. (D) 30. (A)
 31. (C) 32. (D) 33. (A) 34. (B) 35. (A)
 36. (C) 37. (A) 38. (B) 39. (A) 40. (D)
 41. (A) 42. (A) 43. (D) 44. (D) 45. (C)
 46. (A) 47. (A) 48. (C) 49. (A)

Farrukhabad, Agra (Khandauli, Sirsaganj) and Meerut zones. Besides this, Karnataka, West Bengal and Uttaranchal have been made the Export zones respectively for cucumber, pineapple and lichi last year, i.e., in 2001.

37. Sharda Act (1929) is related with child marriage. The marriageable age was set at 18 year and 14 year. (Lord Irvin).

ENGLISH LANGUAGE

Directions—(Q. 1–5) Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete.

1. Now, the management graduate can expect to have a prosperous life on a income without having to depend on finding a place in the family business or having to tend the paternal estates.

(A) professional (B) regular
(C) meaningful (D) dependable

(E) substantial

2. The earth is at present in great danger of becoming uninhabitable because of environmental pollution which is going on at an incredibly rapid pace.

(A) gigantic (B) inhuman
(C) stupendous (D) splendid
(E) colossal

3. Nothing probably has more contributed to the poverty and backwardness of India than the want of good roads.

(A) alleviate (B) circumvent
(C) perpetuate (D) accelerate

(E) accentuate

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4. The main purpose of having a of ration depots throughout the country is to arrange a regular supply of essential items to the common man at a fixed reasonable rates.

(A) choice (B) variety
(C) necessity (D) network
(E) multitude

5. If the rate of inflation in India remains substantially higher than those of her trading partners, it will be impossible to check the in the country's balance of payments.

(A) degradation (B) deterioration
(C) inability (D) capacity
(E) failure

Directions—(Q. 6–15) In the following passage there are blanks, each of which has been

13. (A) necessity (B) requirement
(C) understanding (D) rationale
(E) fact

14. (A) projects (B) description
(C) work-outs (D) analysis
(E) presentation

15. (A) internal (B) metaphorical
(C) eternal (D) chronological
(E) time bound

Directions—(Q. 16–20) Rearrange the following five sentences (1), (2), (3), (4) and (5) in the proper sequence to form a meaningful paragraph, then answer the questions given below.

- (1) In fact, it prevents us from helping children to analyse conflict, to learn to cope with it and counter it.

numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word.

Studies of cognitive development have shown that the child's ..(6).. to use generalised ..(7).. develops more slowly in history than in any other school subjects. This ..(8).. development of reasoning in historical ..(9).. makes it necessary for the historian to ..(10).. upon events that may be included in the text. In many cases, the historian may need to ..(11).. with special effort a generalised understanding of key-concepts to be used in a ..(12).. This ..(13).. may well mean that school history cannot cover as many events as it does at present. Also, school histories may have to provide for topic work or theme-based ..(14).. rather than merely observe ..(15).. conformity.

6. (A) power (B) intellect
(C) preparedness (D) ability
(E) alertness

7. (A) tasks (B) concepts
(C) procedures (D) theories
(E) principles

8. (A) typical (B) matured
(C) slower (D) accelerated
(E) rapid

- (2) Children have always known that there is conflict in the adult world.

- (3) However, the modern world that nineteenth century rationally imposed on childhood in Europe and which we impose in an institutionalised manner through our modern education system can hardly be described as related in this regard.

- (4) We may therefore say that conflict in an institutionalised manner is not a matter of faith in children's capacities, rather, it is a lack of faith in ourselves as adults.

- (5) Further, psychologists and story tellers have always known that the child's desire to search for order and coherence gathers strength from the knowledge of conflict.

16. Which of the following could be the FOURTH sentence in the paragraph?

(A) 1 (B) 2
(C) 3 (D) 4
(E) 5

17. Which of the following should be the FIRST sentence in the paragraph?

(A) 1 (B) 2
(C) 3 (D) 4
(E) 5

9. (A) chronology (B) arena
(C) perspective (D) conformity
(E) contexts
10. (A) deliver (B) build
(B) focus (D) dwell
(E) plan
11. (A) tackle (B) grapple
(C) provide (D) deliver
(E) trade
12. (A) text (B) forum
(C) debate (D) reference
(E) discussion
18. Which of the following should be the SECOND sentence in the paragraph?
(A) 1 (B) 2
(C) 3 (D) 4
(E) 5
19. Which of the following should be the LAST sentence in the paragraph?
(A) 1 (B) 2
(C) 3 (D) 4
(E) 5
20. Which of the following should be the THIRD sentence in the paragraph?
(A) 1 (B) 2

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- (C) 3 (D) 4
(E) 5

- (C) to lord it over (D) to lord it over on
(E) No correction required

Directions—(Q. 21–25) Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is 'E'. (Ignore the error of punctuation, if any).

21. The photograph will give / the reader a far better / notion of the structure / than any verbal description. / No error.
(A) (B) (C) (D) (E)
22. He has a scheme / of his own which he thinks / more preferable to / that of any other person. / No error.
(A) (B) (C) (D) (E)
23. The results of the recognition / of this fact are seen / in the gradual improvement / of the diet of the poor. / No error.
(A) (B) (C) (D) (E)
24. Scarcely had / he gone / when a policeman / knocked at the door. / No error.
(A) (B) (C) (D) (E)
25. Do not trouble / yourself about writing to me / unless you are quite / in the humour for it. / No error.
(A) (B) (C) (D) (E)

Directions—(Q. 26–30) In each question below a part of the sentence is printed in **bold** type. The part printed in **bold** type may or may not contain an error. Below each sentence four phrases are given which are lettered: (A), (B), (C) and (D). One of these can substitute the part of the sentence in **bold** type to correct it. The letter of that part is the answer. If the part of the sentence which is printed in **bold** type is correct as it is, mark (E) i.e. 'No correction required' as your answer.

26. Later he became unpopular because he tried to **lord it on** his followers.

27. The **long or short of it** is that I do not want to deal with the new firm.
(A) The long and short of it
(B) The long and short for it
(C) The long or short for it
(D) The short and long of it
(E) No correction required
28. The people generally try to **curry favour** with the corrupt but influential person.
(A) cook favour (B) seek favour
(C) extract favour (D) display favour
(E) No correction required
29. My hair **stood off** ends when I saw the horrible sight.
(A) stood at ends (B) stood on ends
(C) stood to ends (D) stands on ends
(E) No correction required
30. For some days **he new** professor lectured **above the heads** of his pupils.
(A) over the heads of
(B) over the heads of
(C) on the heads of
(D) through the heads of
(E) No correction required

Directions—(Q. 31–40) Read the following passage carefully and answer the questions given below. Certain words are printed in **bold** to help you locate them while answering some of the questions.

Food procurement has **plummeted** by almost eight million tonnes in 1995-96. However, offtake from the public distribution system is still no more than 14 million tonnes. Why is the offtake so low despite the expansion of the system to new backward areas? The explanation was that the stiff hike in issue prices in February 1994 greatly reduced the difference between open market prices and the ration shop price, which meant several poor people could not afford to buy as much, and also the rich people **shifted** to superior quality grain in the open market. However, the issue price of food has not been increased for over two years while open market prices have gone up, so it is simply not true any more that the gap between the two is negligible. Yet there is no significant improvement in offtake. The regional pattern of PDS offtake

(A) to lord it for (B) to lord over

shows that the southern and north-eastern states

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continue to lift the bulk of their allocation. But in the Hindi heartland, states are lifting less than half their allocation. This suggests that the role of the price factor has been exaggerated. It appears that some state governments have simply lost interest in timely lifting and distribution, while others have not. To this extent, poor people in the heartland are being deprived of cheap grain through sheer callousness.

In the revamped PDS areas, offtake is somewhat better at around 70 per cent of allocations. Cynics will say this is because of revamped PDS system gets grain at a price Rs. 50 per quintal less than the normal PDS, and this makes it more attractive for government intermediaries and shopkeepers to lift the grain

and then divert it to the open market. They claim offtake is high in the south and north-east for similar reasons (Open market prices are particularly high in these regions). These cannot be the whole explanation. But it is true that Kerala has an excellent PDS system and many Hindi-speaking states do not. These problems cannot be tackled by increasing the food subsidy. We need a special investigation of the reasons for low offtake in the Hindi heartland, and of the extent of diversion by shopkeepers and government agencies. Such a report should be given the widest publicity, and the culprits should be proceeded against. That will do far more to get grain to the poor than rising subsidies that never reach them.

31. All the following are stated as the possible reason for less offtake of foodgrain in Hindi heartland from PDS EXCEPT—
 (A) the role of the price factor
 (B) apathy of the concerned state governments
 (C) lack of proper networking of ration shops
 (D) rich people purchasing from open market
 (E) unwillingness of the people to buy

32. Which of the following words/ group of words has the opposite meaning of the word 'plummeted' as used in the passage?

(A) dropped
 (B) drowned
 (C) suddenly increased
 (D) accelerated
 (E) fell rapidly

33. Which of the following is mentioned in the passage as an apparent contradiction with relation to PDS?
 (a) Drop in procurement of foodgrain and less offtake from PDS

- (b) Increase in market price and less offtake from PDS
 (c) Volume of offtake claimed by North-East India is not commensurate with its population
 (A) Only a (B) Only a and c
 (C) Only b and c (D) Only c
 (E) None of these

34. Which, according to the passage, is the major reason for drop in food procurement in the recent years?
 (A) Inadequate rains in the heart land
 (B) Inefficiency of the government machinery
 (C) High price of the food grains sold through PDS
 (D) Not mentioned in the passage
 (E) None of these

35. Which of the following words has the same

meaning as the word 'attractive' as used in the passage?

(A) cheerful (B) meaningful
 (C) resourceful (D) lucrative
 (E) charming

36. Which of the following words has the same meaning as the word 'super' as used in the passage?

(A) casual (B) uncompounded
 (C) gradual (D) absolute
 (E) ascent

37. Why, according to the passage, the issue price of foodgrain has not been increased over the past two years?

(A) Low offtake of foodgrain from the ration shops
 (B) Drop in the average income of the people drawing from PDS
 (C) Increase in the procurement of foodgrains from the farmers
 (D) Not mentioned in the passage
 (E) None of these

38. Which of the following best describes the

meaning of the sentence 'poor people in the heartland.....sheer callousness' given at the end of the first paragraph?

(A) The government machinery in the heartland is oblivious of the poorer section of the society
 (B) The poor people always suffer due to the high handedness of the government officials
 (C) The government officials can be blamed for the pathetic condition of the poor
 (D) The poorer section in the heartland have to unnecessarily spend more for buying foodgrains
 (E) None of these

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39. Which of the following, according to the passage, is suggested as one of the measures for improving the situation in the heartland?
 (a) Thorough investigation into the reasons

5. 'deterioration' means 'fall'.
 6. 'ability' means 'power' or 'capacity'.
 7. 'concepts' means 'ideas' or 'principles'.
 8. 'contrasts' means 'differences'.

- (a) Through investigation into the reasons for low offtake
 (b) Increasing the food subsidy
 (c) Booking the people responsible
 (A) Only a and b
 (B) Only b and c
 (C) All a, b and c
 (D) Only a
 (E) None of these
40. Which of the following words has the same meaning as the word 'shifted' as used in passage?
 (A) transferred (B) preferred
 (C) directed (D) lifted
 (E) modified

Answers

1. (B) 2. (E) 3. (D) 4. (D) 5. (B)
 6. (D) 7. (B) 8. (C) 9. (E) 10. (C)
 11. (C) 12. (A) 13. (A) 14. (D) 15. (D)
 16. (C) 17. (B) 18. (E) 19. (D) 20. (A)
 21. (C) 22. (C) 23. (D) 24. (E) 25. (D)
 26. (C) 27. (A) 28. (E) 29. (B) 30. (B)
 31. (E) 32. (E) 33. (E) 34. (D) 35. (D)
 36. (D) 37. (D) 38. (A) 39. (E) 40. (B)

Explanatory Notes

2. 'Colossal' means 'very large'.
 3. 'accelerate' means 'to go speedily'.
 4. 'network' means 'spread over'.

QUANTITATIVE APTITUDE

1. What approximate value should come in place of the question mark (?) in the following question?
 $2,05,695 + 15,836 - 97,371 + 46,298 = ?$
 (A) 1,70,000 (B) 1,75,000
 (C) 1,80,000 (D) 1,65,000
 (E) 1,78,000
2. Three seventh of a number is 12 more than 40 per cent of that number. What will be 60 per cent of that number?
 (A) 148 (B) 210
 (C) 252 (D) 248
 (E) None of these
3. What should come in place of the question mark (?) in the following equation?
 $5,468 - 2,143 + ? = 8,397$
 (A) 4,892 (B) 5,342

5. In the following number of series a wrong number is given. Find out that number.
 3, 4, 10, 30, 136, 685, 4116
 (A) 4 (B) 685
 (C) 136 (D) 10
 (E) 30
6. Four of the five parts lettered (A), (B), (C), (D) and (E) are exactly equal. Which of the parts is not equal to the other four? The letter of that part is the answer.
 $40\% \text{ of } 90 + 3.6 = 215.6 - 189.3 + 13.3 =$
 (A) (B)
 $5\frac{1}{2} \text{ of } 13 - 32.1 = 1642 \times 0.45 - 699.3 =$
 (C) (D)
 $452.35 + 101.19 - 513.94$
 (E)
7. The length of a rectangular plot is decreased by 20 per cent. By what per cent the breadth is to be increased to maintain the same area?
 (A) 20 (B) 25
 (C) 30 (D) Data inadequate
 (E) None of these
8. A person has been asked to design a four digit code. He has been advised not to begin the

9. 'contexts' means 'reference'.
 10. 'focus' means 'to lay emphasis'.
 14. 'analysis' means 'division'.
 15. 'chronological' means 'date-wise account'.
 21. The use of 'notion' is not correct. There should be 'impression' in its place.
 22. We should not use 'more' before 'prefer' or 'preferable'. These words are already in comparative degree.
 23. There should be 'in the diet of the poor'.
 25. There should be 'in the mood for it'.
 26. The correct expression is 'hand it over'.
 27. The correct expression is 'the long and short of.....'.
 29. The correct expression is 'food on ends'.
 30. The correct expression is 'over the heads of'.
 31. There is lack of interest in the people to buy food-grains from ration-shops.
 32. 'plummeted' means 'to go up with speed'. Its opposite is 'fell rapidly'.
 35. 'attractive' here means 'profitable', i.e. 'lucrative'.
 36. 'sheer' means 'complete', i.e. 'absolute'.
 38. 'heartland' means 'in the central place' i.e. 'very important'. 'strategic' means 'for-

- getful'.
 40. 'shifted' here means 'preferred'.

- (C) 5,612 (D) 5,172
 (E) None of these
4. The difference between the cost price of table and chair is Rs. 1,800. Assuming that the percentage profit is same for the table and the chair, what will be the profit of selling six such tables and four such chairs? To find the answer, which of the following information given in the statement (P) and (Q) is/are sufficient?
 (P) The cost price of a table is Rs. 4,000.
 (Q) The percentage profit is 25.
 (A) Either P or Q alone is sufficient
 (B) Both P and Q together are needed
 (C) Both P and Q together are not sufficient
 (D) Only P alone is sufficient
 (E) Only Q alone is sufficient

- can be dispensed with while answering the question is your answer.
11. What will be the difference between the ages of A and B after 4 years?
 (P) The ratio between their present ages is 4 : 5
 (Q) After eight years, B's age will be 1.2 times that of A's age
 (R) Four years ago the ratio between their ages was 7 : 8
 (A) Only P (B) Only Q
 (C) Only R (D) Only P or Q or R
 (E) All P, Q and R are required
12. What will be the total of the first and the third number of four digit odd numbers?
 (a) The difference between the second and the fourth of these numbers is 4.
 (b) The total of the first and the second of these number is 2 less than the total of the third and the fourth of these numbers.
 (c) The total of the second and the third of these numbers is more than the fourth number.
 (A) All a and b and c are required
 (B) Even with all a, b and c together the answer cannot be obtained

code. He has been advised not to begin the code with 0 or 4 or 9. How many such 4 digit codes can be designed?

- (A) 9,999 (B) 7,996
(C) 4,990 (D) 7,000
(E) None of these

9. The inequality $a^2 + 6 > 6a + 15$ is satisfied if—

- (A) $a > 5$ or $a < 1$ (B) $a > 1$ or $a < 5$
(C) $a = 1$ or $a = 6$ (D) $a > 6$ or $a < -5$
(E) $a > 6$ or $a < -1$

10. The average marks of 45 students in a class is 40. The average of those who pass is 52 and those who fail is 16, how many students failed?

- (A) 15 (B) 30
(C) 25 (D) Data inadequate
(E) None of these

Directions—(Q. 11 – 15) In each of the following questions, a question is asked followed by three statements. While answering the question, you may or may not require the data provided in all the statements. You have to read the question and the three statements and then decide whether the question can be answered with any one or two of the statements or all the three statements are required to answer the question.

statements are required to answer the question. The answer number bearing the statements which

answer cannot be obtained

- (C) Only b
(D) b or c only
(E) None of these

13. What is the speed of a boat in still water?

- (a) The boat takes 6 hours to reach from a point P to Q upstream.
(b) The river current is 2 km. per hour.
(c) The boat takes 2 hours to reach from Q to P downstream.

- (A) b or c only
(B) a or b only
(C) a or c only
(D) All a, b and c are required
(E) None of these

14. What will be the difference between the simple interest and compound interest on a sum of money at the end of the fourth year?

- (a) The amount fetches Rs. 1,500/- simple interest at the end of the fifth year.
(b) The amount fetches Rs. 618/- compound interest at the end of the second year.
(c) The amount doubles itself with simple interest after 10 years 6 months.

- (A) All a, b and c are required
(B) Only a or b
(C) Only b or c
(D) Only a or c

- (D) Only a or c
(E) None of these

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15. What is the difference between the P's and Q's share of profit in a joint venture?
(a) P's investment is Rs. 40,000 more than

that of Q.

- (b) The ratio between the period of investment of P and Q is 2 : 3.
(c) P withdrew 20 per cent of his total investment at the end of 80 per cent of the total period.

- (A) Even with a, b and c together the answer cannot be arrived at
(B) All a, b and c together are required
(C) Only b
(D) Only a or b
(E) None of these

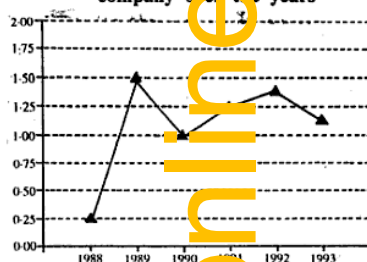
Directions—(Q. 16 – 20) In each of the following questions, a number series is given. After the series, below it, a number is given followed by (a), (b), (c), (d) and (e). You have to complete the series starting with the number given following the sequence of the given series. Then answer the questions given below it.

16. 15 17 23 35 55
29 (a) (b) (c) (d) (e)
Which of the following numbers will come in place of (c)?
(A) 99 (B) 31
(C) 69 (D) 37
(E) 49

17. 214 18 162 62 126
221 (a) (b) (c) (d) (e)
Which of the following numbers will come

Directions—(Q. 21–23) Study the following graph carefully and answer the questions given below it :

Ratio of Income to Expenditure of a company over the years



21. If the total income of 1990 and 1991 together is Rs. 205.6 lakhs, what was the total expenditure of these two years together?

- (A) Rs. 462.60 lakhs
(B) Rs. 91.40 lakhs
(C) Rs. 312.50 lakhs
(D) Data inadequate
(E) None of these

22. If the income in 1992 was Rs. 148.00 lakhs approximately, what was the expenditure in that year?

- Which of the following numbers will come in place of (E) ?
 (A) 25 (B) 97
 (C) 69 (D) 133
 (E) None of these
18. 4 18 78 294 858
 11 (a) (b) (c) (d) (e)
 Which of the following numbers will come in place of (d) ?
 (A) 60 (B) 288
 (C) 6724 (D) 3378
 (E) None of these
19. 7 15 32 67 138
 5 (a) (b) (c) (d) (e)
 Which of the following numbers will come in place of (b) ?
 (A) 11 (B) 106
 (C) 24 (D) 217
 (E) None of these
20. 3 4 10 33 136
 7 (a) (b) (c) (d) (e)
 Which of the following numbers will come in place of (d) ?
 (A) 18 (B) 232
 (C) 1165 (D) 57
 (E) None of these

25. What was the difference in the total number of tables and chairs manufactured in 1991 to the total number of tables and chairs manufactured in 1993?
 (A) 6,800 (B) 5,600
 (C) 8,600 (D) 8,200
 (E) None of these
26. When sixty per cent of a number is added to another number, the second number increases by 40 per cent. The second number is what per cent of the first number?
 (A) 50 (B) 150
 (C) 120 (D) 75
 (E) None of these
27. Four of the five parts lettered (A), (B), (C), (D), and (E) in the following equation are exactly equal. Which of the parts is not equal to the other four? The letter of that part is the answer.
 $(a + b) + (a + 2b) = (2a + b) + (a + b) = a(a + b)$
 (A) (B) (C)
 $+ 2b(a + b) = a(a + b) + b(a + b) + b^2 + ab =$
 (D)
 $2b(a + b) + a^2 + ab$
 (E)

Directions—(Q. 31–36) Study the following table carefully and answer the questions given

below it :

Number of six different types of tyres manufactured (manu) and sold by a company over the years (Numbers in lakhs)

TYPES OF TYRES

Year	A		B		C		D		E		Total	
	Manu	Sold	Manu	Sold	Manu	Sold	Manu	Sold	Manu	Sold	Manu	Sold
1990	512	504	342	338	256	212	542	532	446	413	205	178
1991	638	628	456	447	317	302	532	480	438	421	204	2,597
1992	489	476	439	427	471	453	598	576	387	372	165	142
1993	596	585	412	405	436	421	634	625	346	332	165	2,597
1994	732	697	375	368	456	431	781	726	562	549	173	3,090
1995	642	638	453	435	378	359	612	576	641	639	201	195

31. In which of the following years the percentage of the total number sold of all the six types of tyres together to the total number manufactured is the minimum among the given years?
 (A) 1993 (B) 1995
 (C) 1994 (D) 1990
 (E) 1992
32. Approximately what was the percentage decrease in the number of B type tyres manufactured between 1991 and 1993?
 (A) 12
 (B) 15
 (C) 18
 (D) 20
 (E) 22
33. What was the difference in number of E type tyres sold between 1992 and 1994?
 (A) 1,75,000 (B) 1,50,000
 (C) 1,85,00,000 (D) 1,75,00,000
 (E) None of these
34. The number of A type tyres sold in 1992 was almost equal to the average number of E type tyres sold during which of the following pairs of years?
 (A) 1990 and 1993 (B) 1990 and 1992

- (A) Rs. 107 lakhs (B) Rs. 115 lakhs
 (C) Rs. 142 lakhs (D) Rs. 120 lakhs
 (E) Rs. 98 lakhs
23. What was the percentage increase in expenditure from 1990 to 1991?
 (A) 25 (B) 125
 (C) 75 (D) Data inadequate
 (E) None of these

Directions—(Q. 24–25) Study the following table carefully and answer the questions given below :

Number of Tables and Chairs manufactured by a company over the years

	1990	1991	1992	1993	1994
Tables	14,400	20,500	16,400	16,400	18,600
Chairs	12,800	24,700	19,200	20,200	14,900

24. Approximately what was the percentage decrease in the number of chairs manufactured by the company from 1991 to 1992?
 (A) 22 (B) 26
 (C) 28 (D) 30
 (E) 36

28. When an amount was distributed equally among twelve boys, each of them got Rs. 60/- more than the amount received by each boy when the same amount was distributed equally to 20 boys. What is the amount?
 (A) Rs. 1,440 (B) Rs. 1,600
 (C) Rs. 1,800 (D) Data inadequate
 (E) None of these
29. The ratio between the present ages of Sudhir and Prakash is 4 : 5. Seven years ago the ratio of their ages was 3 : 4. What is the present age of Prakash?
 (A) 35 years (B) 33 years
 (C) 21 years (D) Data inadequate
 (E) None of these
30. The average of 17 numbers arranged serially is 19. The average of the first 9 of these numbers is 17 and the average of the last 9 of these numbers is 21. What is the 9th number?
 (A) 19 (B) 21
 (C) 17 (D) Data inadequate
 (E) None of these

- (A) 15 (B) 5 (C) 1991 and 1993 (D) 1992 and 1994
(E) 20 (D) 10 (E) 1993 and 1995

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35. The number of B type tyres sold in the year 1990 has been equal to the total number of F type tyres manufactured in which of the following couple of years?

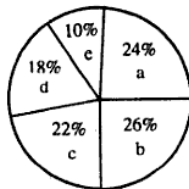
- (A) 1990 and 1992 (B) 1992 and 1994
(C) 1992 and 1993 (D) 1991 and 1992
(E) None of these

36. The manufacture of what type of tyres amidst the following was on the average highest during the given years?

- (A) B (B) C
(C) D (D) F
(E) None of these

Directions—(Q. 37–39) Study carefully the graph given below and answer the questions based

on it. The diagram given below represents the percentage of employees of five categories in an organisation.



- (a) Award staff
(b) First level manager
(c) Second level manager
(d) Third level manager
(e) Executive

The total number of employees in the organisation is 16,400.

37. What is the difference between the number of the second level and the third level managers?

- (A) 656 (B) 820
(C) 984 (D) 1,312
(E) None of these

38. If the organisation appoints 600 second level managers more, what will approximately be

the percentage of the first class managers?

- (A) 24 (B) 26
(C) 21 (D) 23
(E) 25

39. If the organisation retrenches 2,400 managers at all the three levels, what will approximately be the percentage of the award staff?

- (A) 26 (B) 22
(C) 32 (D) 28
(E) 40

40. Prakash borrowed a certain sum on simple interest from Jayesh incurring 6% interest

per annum for first three years. 8% interest for the next two years and 12% interest for the period next to five years. If he paid Rs. 10,080 as interest for a total period of 8 years. What sum had he borrowed?

- (A) Rs. 14,000 (B) Rs. 24,000
(C) Rs. 20,160 (D) Rs. 18,000
(E) None of these

Answers

1. (A) 2. (C) 3. (E) 4. (B) 5. (E)
6. (C) 7. (B) 8. (C) 9. (E) 10. (A)
11. (E) 12. (A) 13. (D) 14. (D) 15. (A)
16. (E) 17. (B) 18. (D) 19. (C) 20. (B)

21. (D) 22. (A) 23. (D) 24. (A) 25. (C)
26. (B) 27. (B) 28. (C) 29. (A) 30. (A)
31. (D) 32. (D) 33. (E) 34. (A) 35. (E)
36. (C) 37. (A) 38. (E) 39. (D) 40. (E)

Hints

$$1. 205695 + 15836 - 97571 + 46298 \\ = 170358 \\ = 170000 \text{ (approx.)}$$

2. Let the number be x .

$$\therefore \frac{3}{7} \text{ of } x - 40\% \text{ of } x = 12$$

$$\text{or, } \frac{3x}{7} - \frac{4x}{10} = 12$$

$$\text{or, } \frac{15x - 14x}{35} = 12$$

$$\therefore x = \frac{12 \times 35}{1} = 12 \times 35$$

$$\therefore 60\% \text{ of the number} = \frac{12 \times 35 \times 60}{100} \\ = 252$$

$$3. 5468 - 2143 + ? = 8307 \\ \therefore ? = 8397 - 5468 + 2143 \\ = 5072$$

$$4. \therefore \text{C.P. of 1 table} = 4000 \text{ rupees}$$

$$\therefore \text{C.P. of chair} = 4000 - 1800 \\ = 2200 \text{ rupees}$$

$$\therefore \text{Gain on selling 6 tables} \\ = 6 \times 4000 \times \frac{25}{100} \\ = 6000 \text{ rupees}$$

$$\text{and the gain on selling 4 chairs} \\ = 4 \times 2200 \times \frac{25}{100} \\ = 2200 \text{ rupees}$$

$$\therefore \text{Total gain} = 6000 + 2200 \\ = 8200 \text{ rupees}$$

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Hence both the statements P and Q are jointly required.

5. $3 \times 1 + 1 = 4$, $4 \times 2 + 2 = 10$,
 $10 \times 3 + 3 = 33$, $33 \times 4 + 4 = 136$,
 $136 \times 5 + 5 = 685$ and $685 \times 6 + 6 = 4116$
So 33 should be substituted for 30.

$$\therefore \text{Age of A and B after 4 years} \\ = 40 \text{ and } 44 \text{ years} \\ \therefore \text{Difference between the then ages of theirs} \\ = 44 - 36 \\ = 8 \text{ years}$$

6. (1) $\frac{40}{100}$ of $90 + 3.6 = 39.6$
 (2) $215.6 - 189.3 + 13.3 = 39.6$
 (3) $5\frac{1}{2}$ of $13 - 32.1 = 39.4$
 (4) $1642 + 0.45 - 699.3 = 39.6$
 (5) $452.35 + 101.19 - 513.94 = 39.6$
 Part B is different.

7. The required increase per cent in breadth
 $= a \left(\frac{100}{100 - a} \right)$ here $a = 20$
 $= 20 \times \frac{100}{100 - 20}$
 $= 25\%$
8. The first digit may consist of 1, 2, 3, 5, 6, 7 and 8.
 The first numeral — can be coined through seven ways.
 Each of the second, third and fourth numerals can be coined through 10 ways.
 \therefore Required number $= 7 \times 10 \times 10 \times 10$
 $= 7000$
9. $\therefore a^2 + 6 > 6a + 13$
 $\therefore (a^2 - 6a - 7) > 0$

$$\text{or, } (a - 7)(a + 1) > 0$$

$$\therefore a > 7 \text{ or, } a < -1$$

10. Let the number of students failed be x .
 The no. of students passed $= 45 - x$
 $\therefore (45 - x) \times 52 + x + 16 = 45 \times 40$
 or, $2340 - 52x + 16x = 1800$
 or, $-52x + 16x = 1800 - 2340$
 or, $-36x = -540$
 $\therefore x = \frac{-540}{-36}$
 $= 15$
11. Let the present age of A and B be respectively $4x$ and $5x$ years.
 $\therefore \frac{5x + 8}{4x + 8} = 1.2$
 $\therefore 5x + 8 = 4.8x + 9.6$
 $\therefore 5x - 4.8x = 9.6 - 8$
 $\therefore x = \frac{1.6}{0.2} = 8$
 \therefore Present age of A and B
 $= 32$ and 40 years

$$\text{and } t = 16 \frac{9}{12} = \frac{67}{4} \text{ years}$$

$$= \frac{(2 - 1) \times 100}{\frac{67}{4}}$$

$$= \frac{4 \times 100}{67} = \frac{400}{67} \%$$

As per statement (A) and (C)

$$\text{Principal} = \frac{1500 \times 100 \times 67}{5 \times 400}$$

$$= 5025 \text{ re.}$$

$$\therefore \text{Compound interest for four years}$$

$$= 5025 \left[\left(1 + \frac{400}{67 \times 100} \right)^4 - 1 \right]$$

$$\text{and the simple interest for four years}$$

$$= \frac{5025 \times 4 \times 400}{67 \times 100}$$

The required difference can be found out only from the statements A and C

16. $17 - 15 = 2$, $23 - 17 = 6$, $35 - 23 = 12$,
 and $55 - 35 = 20$
 Similarly
 $31 - 29 = 2$, $37 - 31 = 6$, $49 - 37 = 12$

- \therefore The statements P and Q are necessary
12. Suppose the number are $(2x + 1)$, $(2y + 1)$, $(2z + 1)$ and $(2w + 1)$
 Following (A) $(2y + 1) - (2w + 1)$
 $= 14$ or $2y - 2w = 14$
 Following (B) $(2x + 1) + (2y + 1) + 2$
 $= (2z + 1) + (2w + 1)$
 or
 $2x + 2y + 2 = 2z + 2w$
 Following (C) $(2y + 1) - (2z + 1)$
 $= (2w + 1) - 5$
 $2y + 2z = 2w + 4$
 $2z = 2w - 2y + 4 = 14 + 4 = 18$
 and $2x = 2z + (2w - 2y) - 2$
 $= 18 + 14 - 2 = 30$
 $\therefore (2x + 1) + (2z + 1)$
 $= (30 + 1) + (18 + 1) = 50$
 \therefore All the three statements (A), (B) and (C) are required to find out the sum of first and third number.
13. Speed of boat up the stream $= \frac{x}{6}$
 When the distance between P and Q is x km.

$$\text{and the speed of the boat down the stream} = \frac{x}{2}$$

$$\therefore \text{Speed of the stream} = \frac{1}{2} (\text{speed of boat down stream} - \text{speed of boat up stream})$$

$$\therefore \frac{x}{6} = \frac{1}{2} \left(\frac{x}{2} - \frac{x}{6} \right)$$

$$\text{or, } 2x = \frac{3x - x}{6}$$

$$\text{or, } 2x = \frac{2x}{6}$$

$$\therefore x = \frac{24}{2} = 12 \text{ km.}$$

$$\therefore \text{Speed of boat in still water} = \frac{x}{2}$$

$$= \frac{12}{2} = 6 \text{ km/hr}$$

\therefore A, B and C, all the statements are necessary to find out the speed of boat in still water.

14. As per statement (C) the rate of interest
 $= \frac{n \times 100}{100}$, here $n = 2$

$$\text{Similarly, } 5 \times 2 + 1 = 11, 11 \times 2 + 2 = 24$$

$$\therefore 24 \text{ is a substitute to B.}$$

$$20. 3 \times 1 + 1 = 4, 4 \times 1 + 2 = 10,$$

$$10 \times 3 + 3 = 33, 33 \times 4 + 1 = 136,$$

$$\text{Similarly, } 7 \times 1 + 1 = 8, 8 \times 2 + 2 = 18,$$

$$18 \times 3 + 3 = 57, 57 \times 4 + 4 = 232$$

$$\text{Hence (D) will be replaced by 232.}$$

22. Income : Expenditure in 1992 = 1:375
 And income in 1992 = 148 crores rupees.

$$\therefore \text{Expenditure} = \frac{148}{375}$$

$$= 107 \text{ lacs rupees. (Approx.)}$$

24. Required per cent
 $= \frac{(21700 - 19700) \times 100}{19700}$
 $= 22 \text{ (Approx.)}$

25. Required difference
 $= (20500 + 24700) - (16400 + 20200)$
 $= 8600.$

26. Suppose the number is x and the other number is y .

- ∴ C is to be filled with 49
17. $1 \times 2 + 4 = 6$, $6 \times 2 + 4 = 16$,
 $16 \times 2 + 4 = 36$, $36 \times 2 + 4 = 76$
 Similarly
 $5 \times 2 + 4 = 14$, $14 \times 2 + 4 = 32$,
 (A) (B)
 $32 \times 2 + 4 = 68$, $68 \times 2 + 4 = 140$,
 (C) (D)
 $140 \times 2 + 4 = 284$
 (E)
 ∴ (E) will be replaced by 284.
18. $\begin{array}{cc} 4 & 8 \\ \hline 4 \times 4 + 2 & 18 \times 4 + 6 \\ \hline 8 & 2 \\ \hline 78 \times 4 + 10 & 322 \times 4 + 14 \end{array}$
 Similarly
 $\begin{array}{cc} 11 & 6 \\ \hline 11 \times 4 + 2 & 46 \times 4 + 6 \\ \hline 770 & 3094 \end{array}$
19. $190 \times 4 + 10$ $770 \times 4 + 14$
 $7 \times 2 + 1 = 15$, $15 \times 2 + 2 = 32$,
 $32 \times 2 + 3 = 67$, $67 \times 2 + 4 = 138$

- 60% of $x + y = y + 40\%$ of y
 $\frac{60x}{100} = \frac{y \times 40}{100}$
 $\frac{x}{y} = \frac{40}{60}$
 $y = \frac{60x}{40}$
 \therefore Required per cent $= \frac{60}{40} \times 100 = 150$
27. (1) $= (a + b)(a + 2b) = a^2 + 3ab + 2b^2$
 (2) $= (2a + b)(a + b) = 2a^2 + 3ab + b^2$
 (3) $= a(a + b) + 2b(a + b) = a^2 + ab + 2ab + 2b^2 = a^2 + 3ab + 2b^2$
 (4) $= a(a + b) + b(a + b) = a^2 + ab + ab + b^2 = a^2 + 2ab + b^2$
 (5) $= 2b(a + b) + a^2 + ab = a^2 + 3ab + 2b^2$
 ∴ Part (B) differs.
28. Suppose the amount was x rupees.
 $\frac{x}{12} - \frac{x}{20} = 60$
 or, $\frac{5x - 3x}{60} = 60$

$\therefore x = \frac{60 \times 60}{2} = 1800$ re.

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29. Let the present age of Sudhir and Prakash be respectively $4x$ years and $5x$ years.
 $\frac{4x - 7}{5x - 7} = \frac{3}{4}$
 or, $16x - 28 = 15x - 21$
 or, $x = 7$
 ∴ Present age of Prakash
 $= 5 \times 7 = 35$ years.

30. Sum of 17 numbers $= 17 \times 19 = 323$

Sum of first 9 numbers $= 9 \times 17 = 153$
 Sum of last 9 numbers $= 9 \times 21 = 189$
 \therefore 9th number $= 153 + 189 - 323$
 $= 19$

31. Reqd. per cent in 1990 $= \frac{2177 \times 100}{2303} = 94.53$
 " " " 1991 $= \frac{2487 \times 100}{2597} = 95.76$
 " " " 1992 $= \frac{2446 \times 100}{2549} = 95.96$
 " " " 1993 $= \frac{2533 \times 100}{2597} = 97.54$
 " " " 1994 $= \frac{2944 \times 100}{3090} = 95.28$
 and " " " 1995 $= \frac{2842 \times 100}{2932} = 96.93$
 \therefore The lowest per cent is in 1990.

Total no. of F type tyres sold in 1992 and 1993
 $= 142 + 165 = 307$
 Total no. of F type tyres sold in 1991 and 1992
 $= 204 + 142 = 346$
 None of these answers is correct.

36. Average production of A type tyres
 $= \frac{512 + 638 + 420 + 596 + 732 + 642}{6}$
 $= 601.5$

Average production of B type tyres
 $= \frac{342 + 457 + 400 + 412 + 375 + 453}{6}$
 $= 412.83$

Average production of C type tyres
 $= \frac{256 + 317 + 471 + 436 + 456 + 378}{6}$
 $= 385.67$

Average production of D type tyres
 $= \frac{542 + 532 + 600 + 634 + 781 + 612}{6}$
 $= 616.5$

Average production of E type tyres
 $= \frac{446 + 438 + 400 + 346 + 562 + 691}{6}$
 $= 470.0$

Average production of F type tyres
 $= \frac{205 + 216 + 165 + 173 + 184 + 206}{6}$
 $= 191.5$

∴ The highest average production is that of D type tyres.

37. Reqd. difference $= \frac{(22 - 18) \times 16400}{100}$

32. Required per cent = $\frac{(456 - 412) \times 100}{456} = 10$ (Approx.)
33. Required difference = $(549 - 372) \text{ lac} = 17700000$
34. No. of E type tyres sold in 1992 = 372 and the average of E type tyres sold in 1990 and 1993 = $\frac{413 + 332}{2} = 372.5$
 \therefore The average number of E type tyres sold in 1990 and 1993 is almost equal.
35. No. of B type tyres sold in 1990 = 338
 Total no. of F type tyres sold in 1990 and 1992 = $178 + 142 = 320$
 Total no. of F type tyres sold in 1992 and 1994 = $142 + 173 = 315$
38. Reqd. per cent = $\frac{26 \times 16400}{16400 + 600} = 25$ (Approx.)
39. Reqd. per cent = $\frac{24 \times 16400}{16400 - 2400} = 28$ (Approx.)
40. Suppose he borrowed x rupees.
 $\frac{x \times 6 \times 3}{100} + \frac{x \times 2 \times 2}{100} + \frac{x \times 12 \times 3}{100} = 10080$
 or, $18x + 16x + 36x = 1008000$
 or, $90x = 1008000$
 $\therefore x = \frac{1008000}{90} = 11200$ rupees.

REASONING TEST

Directions—(Q. 1-5) Answer the following questions based on the letter-number sequence given below :

- F 3 5 G 7 D P 8 4 M R J K 1 Z T Q 2 6 B 9
1. Which of the following is exactly in the middle between the seventh letter/number from the left end and ninth letter/number from the right end of the above sequence ?
 (A) R (B) M
 (C) J (D) K
 (E) None of these
2. If the first ten letters/numbers in the above sequence are written in the reverse order, which of the following will be seventh to the left of the thirteenth letter from the left end ?
 (A) 1 (B) G
 (C) 7 (D) K
 (E) None of these
3. What should come in place of the question mark (?) in the following letter-number series with reference to the above sequence ?
 3 G 7 8 4 K ?

- (A) RT (B) ZB
 (C) MZ (D) 16
 (E) None of these
4. Which of the following is in the fifth position to the right of the twelfth position from the right end of the above sequence ?
 (A) Z (B) 7
 (C) 1 (D) D
 (E) None of these
5. Four of the following five are alike in a certain way with regard to their position in the above sequence. Which is the one that does not belong to the other four ?
 (A) 8M (B) KR
 (C) Q6 (D) MJ
 (E) 1Q
6. Prabhat is taller than Mahesh, Gopal is taller than Mahesh, Bhuvan is shorter than Mahesh. Who among them is the tallest ?
 (A) Gopal (B) Prabhat
 (C) Gopal or Prabhat (D) Bhuvan
 (E) None of these

and 'good and bad' as '5 2 1'. Which of the following is the coded form of 'come' ?

- (A) 5 (B) 8
 (C) 7 (D) 2
 (E) None of these
8. In the following sequence 'G' stands for 'Green'; 'B' stands for 'Blue'; 'Y' stands for 'Yellow'; 'R' stands for 'Red'; 'V' stands for 'Violet' and 'W' stands for 'White'. If the sequence were continued, which colour code will come next?
 G G B G B Y G B Y G B Y R V G B
 (A) W (B) R
 (C) B (D) Y
 (E) None of these
9. Which of the following will be the last digit of the third number after the following numbers are arranged in ascending order after reversing the position of the digits within each number?
 739 825 534 251 493
 (A) 2 (B) 5
 (C) 8 (D) 7
 (E) 4

10. Which of the following numbers wherein some of the digits have been suppressed by symbols can possibly be the perfect square of a two-digit even number?
 (A) 1 ★ ★ 4 (B) 1 ★ ★ 5
 (C) 3 ★ ★ 6 (D) ★ ★ ★ 8
 (E) ★ 4

Directions—(Q. 1-15) In each question below are given two statements followed by four conclusions numbered I, II, III and IV. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.

11. **Statements :** I. All pens are cars.

Some cars are tables.

Conclusions: I. Some pens are tables.

II. Some tables are pens.

III. Some cars are pens.

IV. Some tables are cars.

7. In a certain code 'come and go' is coded as '7 5 8'; 'go home soon' is coded as '8 3 9'

- (A) Only I and II follow
(B) All follow

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- (C) Only II and III follow
(D) Only III and IV follow
(E) None of these

12. **Statements** : Some books are pencils.
Some pencils are not erasures.

- Conclusions:** I. Some erasures are not pencils.
II. Some pencils are the books.
III. No erasure is a pencil.
IV. All pencils are books.

- (A) None follows

- (B) All follow
(C) Only II follows
(D) Only I and II follow
(E) None of these

13. **Statements** : All doors are pillars.
No pillar is dog.

- Conclusions:** I. No dog is door.
II. No dog is pillar.
III. Some pillars are doors.
IV. Some dogs are pillars.

- (A) None follows
(B) Only II, III and IV follow
(C) Only III and IV follow
(D) Only I, III and IV follow
(E) None of these

14. **Statements** : All goats are tigers.
All tigers are lions.

- Conclusions:** I. All goats are lions.
II. All lions are goats.
III. Some lions are goats.
IV. Some tigers are goats.

- (A) All follow
(B) Only I, II and III follow
(C) Only I, III and IV follow
(D) Only II, III and IV follow
(E) None of these

15. **Statements** : Some windows are chairs.
Some chairs are moths.

- Conclusions:** I. Some moths are chairs.
II. Some chairs are windows.
III. Some windows are not moths.
IV. Some windows are moths

- (A) Either only III or IV and I and II follow
(B) Either only III or IV and I follow
(C) Either only II or III and IV follow
(D) Either only I or IV and I and III follow
(E) None of these

Directions—(Q. 16–20) While taking decision on an important question it is desirable that a distinction be made between the 'sound' and 'weak' logics so far as they are related with the question. A 'sound' logic must necessarily be significant, it must also be directly related with the question. A weak argument may not be

directly related with the question or it may even relate to some less important or ignorable aspect of it. In each of the questions given below there appears a question followed by two logics I and II. You have to ascertain as to which of the logics is 'sound' and which the 'weak'.

Give answer (A), if logic (I) is the sound logic.

Give answer (B), if logic (II) is the sound logic.

Give answer (C), if either (I) or (II) is the sound logic.

Give answer (D), if neither (I) nor (II) is the sound logic.

Give answer (E), if both (I) and (II) are sound logic.

16. Should the age of retirement of the employees be reached to 56?

- I. Yes. It will create opportunities for job for a multitude of jobless youths.
II. Yes. It will yield good output, for the average age of the employees will get reduced.

17. Should the spiritual teaching be made compulsory in secondary schools?

- I. Yes. It will help the students to develop themselves as a balanced being.
II. No. The students should not be pressed for such a teaching as it will impede their normal mental growth.

18. Should India cease manufacturing ballistic missiles?

- I. No. India having developed such other missiles will be able to confront the invasion made by alien countries.
II. Yes. It will aggravate the unhealthy race of war stations being formed by the countries of the continent.

19. Should the rural people be completely detained from fleeing towards the urban areas?
- Yes. It will enable the urban administration to procure basic facilities to the urban people.
 - No. It will be up against the fundamental right of free movement of the citizens in the country.
20. Should the multinational companies be permitted to operate on large scale in the infrastructural zone in India.
- Yes. This is the only way to wait suitable facilities to the industries.
 - No. The common mass of India will not be able to carry on such type of financial load.
- Directions—(Q. 21–25)** In each question below is given a statement followed by two assumptions. An assumption is something supposed or taken for granted. First you have to consider the statement and the following two assumptions and decide which of the assumptions is implicit in the statement, then decide which of the answers (A), (B), (C), (D) and (E) is the correct.
23. **Statement :**
The State Government has decided to centralise the admission process of all the technical colleges in the State through a common testing programme.
- Assumptions :**
- The centralised admission process may be accepted by all the technical colleges in the State.
 - The students, in general, may welcome the decision.
24. **Statement :**
The government has decided to provide foodgrains and pulses at a subsidised rate to the agricultural labourers during summer.
- Assumptions :**
- The agricultural labourers may not get adequate employment during summer.
 - The government has adequate machinery to distribute the foodgrains and pulses.
25. **Statement :**
Keeping in view the poor infrastructural facilities available in the area, the govern-

answer and indicate it on the answer-sheet.

Give answer (A) if only assumption I is implicit; give answer (B) if only assumption II is implicit; give answer (C) if either I or II is implicit; give answer (D) if neither I nor II is implicit and give answer (E) if both I and II are implicit.

21. Statement :

"Please ensure that you satisfy the eligibility criteria laid down in the advertisement before sending your application" an instruction to the applicants.

Assumptions :

- The applicants who do not satisfy the eligibility criteria may not apply.
- The applicants may be guided by the instruction.

22. Statement :

The municipal corporation has announced a 20% cut on the water supply during next three months to tide over the shortage of supply of potable water.

Assumptions :

- The announcement may not affect the

ment invited the private sector companies to invest in infrastructural development.

Assumptions :

- The private sector companies may be willing to invest in infrastructural development.
- The economic development of the area may be hastened by providing infrastructural facilities.

Directions—(Q. 26–30) In the following questions the symbols (a), (b), (c), (d) are used as illustrated as follows :

A (a) B means A is smaller than B.

A (a) B means A is either smaller than or equal to B.

A = B means A is equal to B.

A (c) B means A is greater than B.

A (c) B means A is either greater than or equal to B.

Now in each of the following questions, assuming the three statements to be true, state which of the two conclusions I and II given below them is/are definitely true?

normal life of the people.

- The supply of potable water may improve after three months.

Give answer (A) if only conclusion I is true; give answer (B) if only conclusion II is true; give answer (C) if either I or II is true; give answer (D) if neither I nor II is true.

if neither I nor II is true and give answer (E) if both I and II are true.

26. **Statements** : Z (a) P, P (c) Q, Q (a) N

Conclusions : I. Z (a) N

II. N (c) P

27. **Statements** : Z (a) P, P = N, N (c) T

Conclusions : I. Z (c) T

II. Z (a) T

28. **Statements** : M (c) P, P (a) R, R = Q

Conclusions : I. M = R

II. M (c) R

29. **Statements** : S (c) Q, M (a) Q, Q (c) R

Conclusions : I. S (c) R

II. S (c) R

30. **Statements** : P (a) R, R (c) M, M (a) K

Conclusions : I. P (c) K

II. P (c) K

Directions—(Q. 31–35) Each question given below is accompanied with one question and three statements (a), (b) and (c). You have to decide

whether the information/data given in the statements suffices to answer the question or not. Read all the statements carefully and decide as to which of the completes will prove helpful or is sufficient to answer the question. The single statement or the statements with the minimum complets sufficient to answer the question will be veritably your answers. For example, if only (a) is sufficient to answer the question then the statements (a) and (b) or the statements (a) and (c) taken together should not be selected as the answers. Besides this, it may also be possible that each individual statement, too, is sufficient to answer. In such a case only (a) or only (b) or only (c) should be chosen for answer as an illustrations. It will not be proper to select only (a) as the answer.

31. How many sons are there to E?

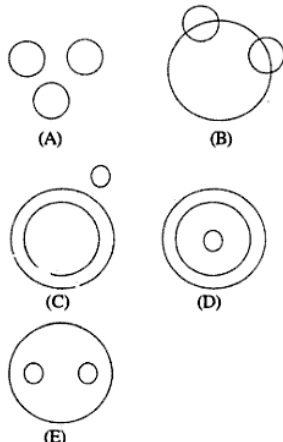
- (a) B has only one sister and one brother.
- (b) D is the only daughter of G.
- (c) C is the son of F and the brother of D.
- (A) Only (b) and (c)
- (B) Only (a) and (c)
- (C) Only (b)

- (D) (a), (b) and (c) all
- (E) None of these

32. What will be the code for 'Come' in a certain code language?

- (a) "Pit na da" stands for "I and you."

fitting into each question. The serial number of that sketch is your answer.



- (b) "Toar Soak" stands for "Come here."
- (c) "Soak no joat" stands for "Come and go."

- (A) Only (b) and (c)
- (B) Only (a) and (c)
- (C) Only (a) and (b)
- (D) (a), (b) and (c) all are necessary
- (E) None of these

33. On which day of the week did Prabhat go to see his mother at her home in Delhi?

- (a) Prabhat set forth to Delhi on wednesday.
- (b) Prabhat's brother reached his mother's house two days after Prabhat had reached there and thence he set out the next day.
- (c) Prabhat met his brother at his mother's residence on saturday.

- (A) Only (b) and (c)
- (B) Only (a) and (b)
- (C) (a), (b) and (c) all
- (D) Only (a) and (c)
- (E) None of these

34. How is D related to F?

- (a) F has two brothers and two sisters.
- (b) G is the sister of F.
- (c) R is the sister of D.
- (A) Only (a) and (b)
- (B) Only (a) and (c)
- (C) (a), (b) and (c) all
- (D) Only (b) and (c)
- (E) None of these

35. Who is the eldest of age among Gopal, Mahesh, Sunder and Prabodh?

- (a) Mahesh is elder than Prabodh but younger than Sunder.
- (b) Gopal is not as much of age as is Prabodh.
- (c) Prabodh is elder than Gopal.
- (A) (a) and (b) or (c)
- (B) (b) and (c)
- (C) Only (b)
- (D) Only (c)
- (E) None of these

Directions—(Q. 36–40) Three elements have been given in each of the questions given

below. May be that these elements have some relationship with each other or even no relation at all. Each group of these elements fits in either of the sketches such as (A), (B), (C), (D) and (E). You have to point out the group of elements

- (B) at Monday join the function on
- (C) at function join with on Monday
- (D) cannot be determined
- (E) None of these

42. The step II of an input is as follows—
a and choose pick for dress party the
What will be step IV of the input?

- (A) a and choose dress for pick party the
- (B) a and choose dress for party pick the
- (C) a and choose dress for party the
- (D) cannot be determined
- (E) None of these

43. Input : if we go out for the entire week
Which of the following will be the IIIrd step?

- (A) entire if we go out for the week
- (B) entire for go out for the week
- (C) entire for if we go out for the week
- (D) entire for go if we out the week
- (E) None of these

44. Input : Send Him and her for the journey

36. Shirt, Cloth, Pen.
37. Chair, Steel, Furniture.
38. Gold, Metal, Zinc.
39. Goods, Shop, Market.
40. Moon, Sun, Earth.

Directions—(Q. 41–45) Study the following information to answer the given questions.

A word arrangement machine when given an input line of words, rearrange them following a particular rule in each step. The following is an illustration of input and the steps of rearrangement.

Input : And for though As as at to on am
Step I : am And for though As as at to on
Step II : am And as for though As at to on
Step III : am And as As for though at to on
Step IV : am And as As at for though to on
Step V : am And as As at for on though to
(and Step V is the last step for this input)

As per the rules followed in the above steps find out in the given questions the appropriate step for the given input.

41. The step III of an input is as follows—
at function join Monday us the on

Which of the following would definitely be the 1st step?

- (A) join at the function us on Monday

Which step number will be the last step of the above input?

- (A) IV (B) I
(C) III (D) II
(E) V

45. Input : so do all of us are
Which of the following steps would be—
all are do so of us

- (A) II (B) III
(C) IV (D) I
(E) V

46. P is brother of Q. S is sister of Q. S is sister of R. How is Q related to S?

- (A) Brother
(B) Sister
(C) Brother or sister
(D) Data inadequate
(E) None of these

47. If it is possible to make a meaningful word with the first, the fourth, the sixth and the eighth letters of the word OBSERVATION, which of the following will be the second letter of that word? If no such word can be formed, give 'X' as the answer and if more

than one such word can be formed give 'M' as the answer—

- (A) E

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- (C) O (D) X
(E) M

48. How many such pairs of letters are there in the word 'PROPERTY' which have as many letters between them in the word as in the alphabet?

- (A) None (B) 1
(C) 2 (D) 3
(E) None of these

49. How many such 6's are there in the following number sequence which are either immediately preceded by 2 or immediately followed by 9?

5 6 2 4 3 6 9 2 6 7 1 6 4 7 6 8 2 6 3 4 6 9 8 6 2

- (A) One (B) Two
(C) Three (D) Four
(E) More than Four

50. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?

- (A) Deer (B) Zebra
(C) Horse (D) Jackal
(E) Giraffe

Directions—(Q. 51–55) Read the following information to answer these questions :

Following criteria have been set up for a post-graduate management programming :

- (a) Graduate with at least 50 per cent marks.
(b) At least 45 per cent marks in the entrance examination.
(c) Age not less than 20 years and not more than 26 years as on June 30, 1996.
(d) Capable of bearing an expense of Rs.

Answer

- (A) the admission is to be given.
(B) his case is to be referred to the admission incharge.
(C) his case is to be sent to the director.
(D) sufficient information is not available to take decision.
(E) the admission can not be given.

51. Umesh Salgaonkar was born on 25 January, 1962. He has been working in the organisation for the last six years. He has secured 70% and 60% marks, respectively in the graduate and entrance examinations. He is

capable of bearing the required expenses.

52. Meena Bhargava has secured 70% marks in her examination for graduation. She can pay Rs. 50,000/- every year. She was born on 5 September, 1973.

53. Mahesh Srivastava was aged 18 years on 3 July, 1994. In his graduate and entrance examination he has secured 75% and 55% marks respectively. He can bear the allotted expenses.

54. Usha Gupta has secured 55% and 55% marks in her graduate and entrance examinations respectively. She was born on 15 February, 1972. She can afford the required expenses.

55. Rajiv Malhotra is a post-graduate with 65% marks. He has passed graduation with 62% marks. He can stand the stipulated financial load and he was born on 1st instant of July 1975.

56. Any four among the following five exhibit similarity in some way or the other and thus

- (d) Capable of hearing an expense of Rs. 60,000 per annum for two years.

Yet, if the candidate—

- (i) Stands at other criteria excluding the aforesaid (a) and has post-graduate security at least 60% marks, his case should be forwarded to the admission incharge.
- (ii) Stands at other criteria except the above (c) and has a five years experience of working, his matter should be referred to the director.

In each case you have to take, a decision based on the above criteria and the other information given in each question below. You may accede to anything at your disposition. All these cases should be disposed on June 30, 1996 according to their status.

group. Which one does not associate with that group?

- (A) Hearing (B) Walking
(C) Running (D) Swimming
(E) Ascending

59. Four among the following five are somehow similar and form a group as such. Which one does not fit into the group?

- (A) Brinjal (B) Pear
(C) Tomato (D) Guava
(E) Carrot

60. Prakash started moving from a point P towards South. On moving 40 meters he covered a distance of 30 meters having turned to left and reached another point Q. What is the straight line distance between P and Q and Q lies to which side of P?

- (A) 60 meter south-east
(B) 50 meter south-west
(C) 50 meter south-east
(D) data are insufficient
(E) None of these

Directions—(Q. 61–65) Read the following information carefully and answer the questions given below :

- (1) P, Q, R, S, T and U are six members of a family, each of them engaged in a different

profession—Doctor, Lawyer, Teacher, Engineer, Nurse, Manager.

- (2) Each of them remains at home on a different day of the week from Monday to Saturday.
- (3) The Lawyer in the family remains at home on Thursday.
- (4) R remains at home on Tuesday.
- (5) P, the Doctor does not remain at home either on Saturday or on Wednesday.
- (6) S is neither the Doctor nor the Teacher and remains at home on Friday.
- (7) Q is the Engineer and T is the Manager.
61. Who among them remains at home on the following day of the nurse?
- (A) Q (B) Q or T
(C) R (D) S
(E) None of these
62. Which of the following combinations is not correct?
- (A) R-Teacher (B) Q-Engineer
(C) T-Manager (D) S-Nurse
(E) All are correct

profession in some way or the other and thus form a group of their own. Which one is not included in this group?

- (A) 13 (B) 29
(C) 37 (D) 53
(E) 69

57. 'P + Q' implies that P is the brother of Q. 'P - Q' implies that P is the mother of Q, whereas, 'P × Q' implies that P is the sister of Q. which of the following implies : 'M is the maternal uncle of N'?

- (A) M - R + K
(B) M + K - R
(C) M + K × Q
(D) There is no such sign
(E) None of these

58. Four among the following five resemble each other in some respect and thus form their own

- (C) Manager-Teacher
(D) Engineer-Thursday
(E) Nurse-Friday

64. Who remains at home on Saturday?

- (A) S (B) T
(C) R (D) Q or T
(E) None of these

65. Who is the nurse?

- (A) S (B) R
(C) U (D) Data inadequate
(E) None of these

Directions—(Q. 66–75) Given below are two passages followed by several possible inferences after each of them which can be drawn from the facts stated in the passage. You have to examine each inference carefully in the context of the passage and decide upon its degree of truth or falsity.

Mark Answer

If you think

- (A) the inference is 'Definitely True' i.e. it properly follows from the statement of facts given.
- (B) the inference is 'Probably True' though not 'Definitely True' in the light of the facts given.

- (C) the 'Data are inadequate' i.e. from the facts given you cannot say whether the inference is likely to be true or false.

- (D) the inference is 'Probably False' though not 'Definitely False' in the light of the facts given.

- (E) the inference is 'Definitely False' i.e. it cannot possibly be drawn from the facts given or it contradicts the given facts.

Directions—(Q. 66–70) A radical new surgery procedure, lauded not long ago, is holding out fresh hope for patients of cardiac myopathy, or enlargement of the heart. The technique, now in India, allows patients to go home two weeks after the operation, to lead a near-normal sedentary life. Cardiac myopathy is a condition that has a variety of causative factors. An attack from one of the 10 identified viruses, parasite infection, long-term alcohol abuse and blood pressure could bring it on, and in rare cases,

63. Which of the following combinations is correct?
- (A) Lawyer-Tuesday
(B) Teacher-Wednesday

it could follow child birth and is even known to run in families. The condition is marked by an increase in the size of the heart's chambers and decrease in the efficiency of pumping.

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66. The efficiency of the heart is inversely proportional to the size of the heart.
67. The cardiac myopathy slows down the heartbeat.
68. The new technique was never tried in India in the past.
69. Earlier the patients suffering from cardiac myopathy were required to travel abroad for such operation.
70. Cardiac myopathy is hereditary.

Directions—(Q. 71-75) Despite a wide scope for complaints. The Sponge Iron Industry seems to be full of hopes. Alongwith the growing

- (C) CD
(D) DCD
(E) BD
78. Be whatsoever the pair of co-travellers, which one can travel in any car without caring least for it ?
(A) B
(B) C
(C) C
(D) None of these
79. How many pairs of travellers are possible for voyage from P to Q ?
(A) 12
(B) 3
(C) 16
(D) cannot be decided

pressure at the international price standards the non-profitting governmental policies have seized this industry. But the industry is boldly confronting all this. It is attempting to encash the small alterations occurring through the current budget in its destiny as well as the prospects hidden in the perspective of the future demand of supply. The budget has to some extent been able to freeze ice on the spongeiron-cake. Whereas, on one hand, the custom on the iron ore has been reduced from 10 per cent to 5 per cent, the same, on the other, has been reached from 25 per cent to 20 per cent for the non-cooking coal. Notwithstanding it, 2 per cent surcharge has also been levied on the import if these irons.

71. Effective deduction in customs duty on iron ore is 3 per cent.
72. The Government a plan to resurrect the Sponge Iron Industry.
73. There is no change on customs duty on cast iron.
74. There may be a heavy demand of cast iron in near future.
75. An approximate 40 per cent cut has been made in customs duty on non-cooking coal.

Directions—(Q. 76–80) Read carefully the information given below and answer the questions based on it :

80. If A wishes to travel with G and C with B, which of the following will be true?
- (A) F will travel with D
 (B) F will travel with B
 (C) A will travel with D
 (D) The car carrying G will be accommodating three travellers
 (E) All the above

Answers with Explanation

1. (B)
- | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|--------------|---|---|---|
| F | 3 | G | 7 | D | P | 8 | 4 | M | R | J | K |
| From left → | | | | ↑ | | ↑ | | ↑ | | | |
| | | | | | 2 | 1 | Q | 2 | 6 | B | 9 |
| | | | | | | | | From right ← | | | |

In the above alphabetical / digital order the 7th letter / digit from left is 'P' and the 9th letter / digit from right is 'K'. The letter in between P and K is 'M'.

Alternative 1 [REDACTED]
Total number of the given letters / digits

A, B, C, D, E, F and G, these seven men want to set out on a voyage from a place P to Q. C, D and E among them are women. They have to travel by a car. Each car necessarily accommodates at least two men and one woman. F does not like to travel with B or G.

76. How many pairs can be formed of the travellers of the car carrying those three ?
(A) 3 (B) 2
(C) 6 (D) 8
(E) None of these
77. With whom among the follow is A likely to travel ?
(A) FB (B) DE

Sum total of numbers of letters / digits from (of) left/right = $9 + 7 = 16$
 \therefore Remaining number = $21 - 16 = 5$
Hence the letter/digit existing between the marked letters from (of) left and right = $(7 + 3)$ th from left where is the 10th letter/digit or the $(7 + 3)$ th i.e. the 12th letter/digit from right = **M**

F3S G7D P84 **M** J K 1 Z T Q
26 B 9

From left \uparrow From right

2. (C) On writing in reverse order the first 10 digits/ letters of the given digits/alphabets.

M 4 8 P D 7 G 5 3 F R J K 1
 From left → ↑ → ↑
 Z T Q 2 6 B 9
 To the left of

In the above digital / alphabetical order, the 13th digit / letter from left is 'K' and the 7th digit/letter to the left of K is '7'.

Alternative method—

If the following facts are given,

from left → a → 13

to the left of → b → 7

Here $a > b$, hence using the formula $(a - b)$,

$$\Rightarrow (13 - 7) = 6$$

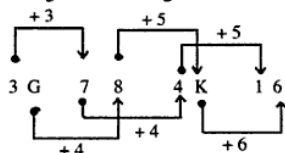
Arranging in reverse order the first 10 digits/letters from among the given digits/alphabets.

M 4 8 P D 7 G 5 3 F R J K 1
 → ↑ Z T Q 2 6 B 9

Hence in the above sequential order the 6th digit/letter from left = 7.

3. (D)

F 3 5 G 7 D P 8 4 M R J K 1 Z T Q 2 6 B 9.
 In the above alphabetical/digital order the following series is arrange of thus—



That is the first letter/digit of the first term is in order the third, fourth and fifth letter/digit of the corresponding letter/digit of the next term; whereas, the second letter/digit is in order the fourth, fifth and the sixth letter/digit of the corresponding letter/digit of the next term.

4. (B)

F 3 5 G 7 D P 8 4 M R J K

↑ 1 Z T Q
 To the right of From right

In the above alphabetical / digital order, the

12th letter/digit from right is 'M' and the 5th letter/digit to the right of 'M' is '7'.

Alternative method—

If the following facts are given.

From right → a → 12

To the left of → b → 5

Here $a > b$, hence using the formula $(a + b)$

F 3 5 G 7 D P 8 4 M R J K 1 Z T Q 2 6 B 9

From left ↑ From right

In the above alphabetical/digital order, the

17th letter/digit from right

= $[(21 - 17) + 1]$ th from left i.e. the 5th letter/digit = 7

5. (E) 1 letter/digit is there between both the letters/digits of the rest of all alternatives.

or

The letters/digits in all other alternatives are the alphabetical/digital pairs put at even or odd positions in accordance with the serial of the place allotted to them.

6. (C) As stated, the following situations are got to—

Prabhat > Manesh(i)

Gopal > Manesh(ii)

Manesh > Bhuvan(iii)

Hence from (i), (ii), (iii)
 Prabhat or Gopal > Manesh > Bhuvan

7. (C) 758 → come and go(i)

839 → go home soon(ii)

521 → good and bad(iii)

From (i) and (ii)

go → 8

From (i) and (iii)

and → 5

Hence, now from (i)

come → 7

8. (D) In the given series the symbolic letters of the colours have been arranged as thus and have been indicated with dashes applied below:

G G B G B Y G B Y G B Y R V

G B Y R V W

9. (B) Writing the digits of the given numbers in reverse order,

937, 528, 435, 152, 394

Writing the above numbers in ascending order,

152, 394, 435, 528, 937

The third number is 435 whose last digit is 5.

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10. (A) The square 32 is 1024.

11. (D) Among the given statements 'car' is the middle term which remarks undistributed in both the cases. So valid conclusions can not be drawn from these statements in the light of syllogistic reasoning, for their middle terms are not distributed, but, with the view point of subsequential inferences the conclusions III and IV are correct. Therefore, the alternative IV is true here.

12. (C) Arriving at the valid conclusions on being led by the given statements is not possible for the following two reasons— firstly, both the statements occur in particular premise and secondly, the middle term 'pencil' is undistributed; however the second

can be represented by means of these statements—

1. All the goats are lions.

2. Some lions are the goats.

3. Some tigers are the goats.

4. Some lions are the tigers.

So on the basis of these achieved conclusions the given conclusions I, III and IV are valid.

15. (E) The valid conclusions from the given statements, based on syllogistic reasoning, can not be represented for the following two reasons—

(i) Both the statements are inherent in the

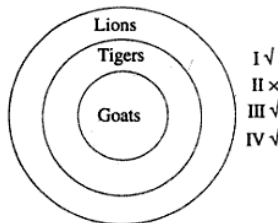
pencil is unashtrouted; however the second conclusion is valid owing to the exact alteration of the first major premise. Alternative (C) as such will be taken to be true.

13. (E) Among the given statements 'pillar' is the middle term that remains distributed in the second statement. So from the view point of syllogistic reasoning the following conclusions can be arrived at :

1. No dog is a door.
2. No door is a dog.
3. Some pillars are the doors.
4. No dog is a pillar.

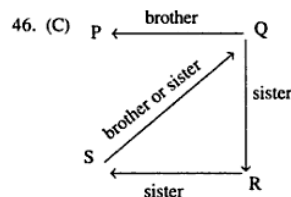
Hence on comparing the given conclusions with the availed conclusions, the alternative (E) only comes out to be true for among the given conclusions I, II and III are valid.

14. (C) The given statements have been represented as following through the 'Enter Circle' with clearent conclusions—



In the given statements 'tiger' is the middle term that is distributed in the second statement. So from the view point of syllogistic reasoning, the following conclusions

45. (B) Input—so do all of us are.
Step I—all so do if us are.
Step II—all are so do of us.
Step III—all are do so of us.



Since P is the brother of Q but Q's gender being unclear, Q may have any relationship as brother or sister with P. S and R are the sisters of Q. Q, theremay relate even to S as brother of sister.

particular premise.

- (ii) The middle term is not distributed.

Although the conclusions I and II are true inferences due to pure alteration but these are not clearly and distinctly mentioned in the given alternative. Hence, its alternative (E) is the only answer.

16. (A) 17. (A) 18. (E) 19. (B) 20. (A)
21. (E) 22. (B) 23. (A) 24. (D) 25. (C)
26. (D) 27. (C) 28. (A) 29. (A) 30. (D)
31. (D)

32. (A) On the basis of 'a' and 'c' the following facts become apparent—

Soak — Com

33. (E) 34. (C) 35. (A) 36. (C) 37. (B)
38. (E) 39. (D) 40. (A)

41. (D) It is difficult to attain the state or input of the previous step on the basis of the state of a given step.

42. (A) Step II—a and choose pick for dress party the

Step III—a and choose dress pick for party the

Step IV—a and choose dress pick party the

43. (D) Input—if we go out for the entire week.

Step I—entire if we go out for the week.

Step II—entire for if we go out the week.

Step III—entire for go if we out the week.

44. (E) Input—Send him and her for the journey.

Step I—and Send Him for the journey.

Step II—and for Send Him for the journey.

Step III—and for her Send him the journey.

Step IV—and for her Him Send the journey.

Step V—and for her Him journey Send the.

53. (D) Mahesh Srivastava gets done with all the criteria except the criterion 'c'. But he does not have an experience for a definite period. So the full information to decide his admission is not available.

54. (A) Usha Gupta can be definitely admitted in as much as she abidingly comes at all the criteria.

55. (D) Because the marks of Rajiv Malhotra for the entrance exam have not been given, so the information is incomplete.

56. (C) All the rest are the indivisible numbers.

57. (B) In $M + K - R$

$M + K \rightarrow M$, is the brother of K(1)

$K - R \rightarrow K$, is the brother of R(2)

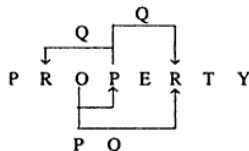
So, on the basis of the above two facts it becomes clear that M is the maternal uncle of R.

47. (C) The first, fourth, sixth and the eighth letters of the given word are respectively O, E, V and T.

The meaningful word—'Vote'

The second letter of the aforesaid word is 'O'.

48. (E)



There are four doublets of letters in the word respectively as : R—P, O—P, P—R and O—R.

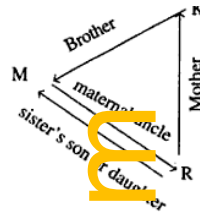
49. (D) 5 6 2 4 3 6 9 2 6 7 1 6 4 7 6 8 2 6 3 4 6 2 8 6 2

In the above number series such '6' have been four times repeated that are preceded by 2 or followed by 9.

50. (D) All the rest are vegetarians.

51. (C) With exception to the inevitability of a certain age Umesh Salgaonkar stands at all the criteria. So his case should be referred to the director.

52. (E) Meena Bhargava can not be given the admission since she does not stand to the criteria 'b' and is also not able to bear the monetary expenses.



Hence, from graph too it becomes evident that M is the maternal uncle of R.

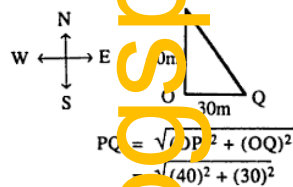
58. (A) In all other actions the change of place is reflected.

59. (E) All the other fruits or vegetable are grown over the ground.

or

Only the carrot is grown beneath the ground, whereas, all the rest are grown above the ground.

60. (D) The course treated by Prakash is as follows :



$$PQ = \sqrt{(OP)^2 + (OQ)^2}$$

$$= \sqrt{(40)^2 + (30)^2}$$

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$$= \sqrt{1600 + 900}$$

$$= \sqrt{2500}$$

$$= 50 \text{ m.}$$

But, due to the unequal length of OP and OQ, a definite direction of P from O can not be

obtained.

Chart for questions 61 to 65.

Member	Occupation	Day
P	Doctor	Monday
R	Teacher	Tuesday
Q	Engineer	Wednesday or Saturday
U	Vakil	Thursday
S	Nurse	Friday
T	Manager	Wednesday or Saturday

61. (B) 62. (E) 63. (E) 64. (D) 65. (A)
66. (E) 67. (A) 68. (D) 69. (E) 70. (A)
71. (E) 72. (A) 73. (C) 74. (A) 75. (E)

For questions 76 to 80.

As per statement, Male travellers roomed in the car will be—A, B, F, G.

Female travellers—C, D, E.

76. (C) As per the statement the travelling members will form pairs as below—

BFC	BFD	BFE	FGC	FGD	FGE
1	2	3	4	5	6

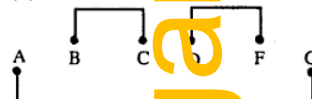
77. (E) The travelling group must comprise atleast two men and one woman. Since 'A' is a male member, so he must be accommodated with one different man and a woman and for so doing, the member of the alternative (E) is suitable.

78. (E)

79. (A) The seating arrangement of the members of the pairs in the car is as below—

ABC	ABD	ABE	AFC	AFD	AFE
1	2	3	4	5	6
AGC	AGD	AGE	BGC	BGD	BGE
7	8	9	10	11	12

80. (A)



Hence, it is apparent from the statement that 'F' can travel with D.

2004 General Awareness

1. The High Court of which of the following states set aside the decision of the State Govt. to over turn the creation of nine districts and four commissioner divisions (created by the earlier Govt.) ?
 (A) Rajasthan
 (B) Orissa
 (C) Himachal Pradesh
 (D) Tamil Nadu
 (E) Uttar Pradesh
2. In economic field very often the term 'Price Index' is used. If the Price Index in May 1985 was 355 what does it mean ?
 (1) The prices on the average were more than three and half times as much
 (2) The prices were 255 per cent higher than what they were in 1970-71 (the earlier base year)
 (3) As compared to earlier base year, the 1985 May was full of various commodities and the supply was 300 times better than earlier years.
 (A) Only 1 (B) Only 2
 (C) Only 3 (D) Only 1 & 2
 (E) None of these
3. Growth of credit in agriculture, despite its priority sector status, has remained a persistent problem in the economy. According to the RBI, domestic banks must allocate what per cent of their advances to the agriculture sector ? (Including direct and indirect finances)—
 (A) 8% (B) 12%
 (C) 15% (D) 18%
 (E) None of these
4. In July 2003, the banks were asked to reduce their lending rate to agricultural credit to the extent of—
 (A) 6.5% (B) 7.5%
 (C) 9% (D) 10%
 (E) None of these
5. Who amongst the following has issued various accounting standards to be followed by various companies in India ?
 (A) Registrar of Companies
 (B) Ministry of Finance Govt. of India
 (C) Accounting Standards Board of ICAI
 (D) Indian Bureau of Standards
 (E) World Trade Organisation (WTO)
6. The Government of India recently issued norms for Indian Depository Receipts (IDRs). Which of the following is **Not True** in this regard ?
 (A) The companies would have a preissue paid up capital and free reserves of at least 500 million US \$
 (B) Average turn over of the company should be 500 million US \$
 (C) The norm of average turn over of 500 million US \$ should be during the three preceding years of financial performance
 (D) The company should have declared a dividend of not less than 10% during the last five years
 (E) All such companies need prior nod of RBI
7. Various measures are used by the State to control the inflation. These can be—
 (1) Price control
 (2) Monetary measures
 (3) Fiscal measures
 Which of these is/are known as the suppressed inflation ?
 (A) Only 1 (B) Only 2
 (C) Only 3 (D) 1 & 2 both
 (E) None of these
8. How much amount an individual resident can borrow from close relatives residing outside India ? (As per new RBI norms)—
 (A) US D 100000 only or it's equivalent

- (B) U S D 150000 only or it's equivalent
(C) U S D 200000 only or it's equivalent
(D) U S D 250000 only or it's equivalent
(E) None of these
9. Which of the following statements is/are correct pertaining to the problems with agricultural credit ?
(1) Private sector banks are not given any target of agricultural lending. Hence, they do not lend anything to farmers.
(2) Majority of farmers are not able to afford the cost of borrowing or not able to guarantee their loan from banks
(3) Most of the Co-operative Banks are defunct. Hence, they are not lending to farmers.
(A) Only 1 (B) Only 2
(C) Only 1 & 2 (D) Only 3
(E) Only 2 & 3
10. The farm income insurance scheme announced by the Union Govt. is presently being run in how many districts ?
(A) 20 (B) 50
(C) 100 (D) 150
(E) None of these
11. The Rural Infrastructure Development Fund (RIDF) is established with which of the following ?
(A) NABARD (B) RBI
(C) SBI (D) ICICI Bank
(E) None of these
12. As per the reports of the census—2001 the Prime reason for male migration to urban areas has been employment and business. But what has been the reason of migration of young females to urban areas ?
(1) Marriage
(2) Educational Purposes
(3) Job Opportunities
(A) Only 1 (B) Only 2
(C) Only 3 (D) Only 1 & 2
(E) None of these
13. As per the migratory trend seen in the recent past the outflow of people from which of the following states is maximum ?
(A) Uttar Pradesh
(B) Bihar
(C) Madhya Pradesh
(D) Kerala
(E) None of these
14. As per the census—2001 the number of million plus cities in India in 2001 was—
(A) 2 (B) 24
(C) 35 (D) 42
(E) 5
15. As per the reports from the Ministry of Health and Family Welfare the three important causes of mortality in India were—
(A) Tuberculosis, Typhoid and Malaria
(B) Malaria, Polio, Cancer
(C) Cancer, Heart ailments, Polio
(D) Polio, Malaria, Heart ailments
(E) None of these
16. India's population is likely to reach at which level during 2026 A.D. ?
(A) 1 billion (B) 1.2 billion
(C) 1.4 billion (D) 1.6 billion
(E) None of these
17. Which of the following is likely to convert itself into a bank ?
(A) SIDBI (B) ECGC
(C) IDFC (D) SEBI
(E) None of these
18. India is set to have a revised or new series of the Index of whole sale price (WPI) very soon, as the base year will now be—
(A) 1990-91 (B) 1985-86
(C) 1989-90 (D) 1993-94
(E) None of these
19. In commercial and trade world very often we hear a term 'Free Trade'. What does it really mean ? (Pick up the best option)—
(1) It means no restriction on the movement of goods between two countries or a group of countries
(2) It means no custom duty or any other tax or duty on the goods supplied to each other by the countries
(3) It means exchange of goods between the countries to overcome shortage of particular type of goods

- (4) It means a particular nation is allowed to sell its goods to all over the world without any restriction on the quantity
(A) Only 1 (B) Only 2 & 3
(C) Only 3 & 4 (D) Only 3 & 1
(E) Only 4
20. In the financial transaction of the Government we often hear a term 'Deficit Financing'. Deficit Financing is—
(1) Practiced whenever Government expenditure exceeds the receipts from public
(2) The part of Government expenditure which is met by drawing down the Cash balance of the Government held in RBI or in State treasuries
(3) That part of Government expenditure which is required to be compensated by printing new notes/supply of fresh currency notes in the market
(A) Only 1 (B) Only 1 & 2
(C) Only 3 (D) Only 2
(E) None of these
21. Why was the name of B. K. Chaturvedi recently in news ?
(A) He has taken over as the India's High Commissioner to U.K.
(B) He will be new Cabinet Secretary in the Union Government
(C) He will be new Deputy Speaker of the Lok Sabha
(D) He will be our permanent representative UNO
(E) None of these
22. Which of the following schemes/programmes is/are now part of the 'Swarna Jayanti Shahari Rojgar Yozana (SJSRY)' ?
(1) Nehru Rozgar Yojana (NRY)
(2) Urban Basic Service for poor (UBSP)
(3) Prime Minister's Integrated Urban Poverty Eradication Programme (PMIUPEP)
(A) Only 1 (B) Only 1 & 2
(C) Only 1 & 3 (D) Only 3
(E) 1, 2 & 3 all the three
23. Prime Minister Manmohan Singh recently in a meeting expressed his desire that an early and smooth Value Added Tax (VAT) is very much needed in the country. How the introduction of VAT will be helpful for a country like India ? (Pick up correct statements).
(1) VAT will avoid cascading of taxes
(2) VAT is expected to enhance revenues in medium term
(3) Some State Governments may have to loose a substantial amount of Sales Tax but the centre will have a greater share in taxes, but the same will be compensated later on by providing subsidies on certain items
(A) Only 1 (B) Only 2
(C) Only 1 & 2 (D) Only 3
(E) 1, 2 and 3 all three
24. The performance of Public Sector Banks during the year 2003-04 has been—[pick up correct statements].
(1) Slightly lower than year 2002-03
(2) Much better than year 2002-03 for all PSBs
(3) Same as it was in the year 2002-03
(4) Slightly better for some banks like SBI and Associates
(A) Only 1 (B) Only 2
(C) Only 1 & 4 (D) Only 4
(E) None of these
25. About 35 multistate Co-operative Banks are likely to come under the Banking Regulation Act as the Government is going to issue an ordinance to that effect in days to come. It was required to be done as—(pick up the correct statements)—
(1) Co-operative Banks are in bad shape and a restructuring is very much needed
(2) RBI recommended that Govt. should issue an ordinance to this effect
(3) The Supreme Court of India has issued an order which says RBI does not have authority to issue licences to multistate Co-operative Banks
(A) Only 1 (B) Only 2
(C) Only 3 (D) Only 1 & 3
(E) None of these

26. As per the recent decision taken by the Govt. of India now the students after passing which of the following examinations are not required to have a stamp "Emigration check required" on their passports ?
- MBA from IIMs or any other university
 - B. E. or B. Tech. degree
 - Class XII
 - Medical degree in Ayurved system
 - None of these
27. Which of the following is the objective of the International Monetary Fund (IMF) ?
- To minimize imbalances in quantum and duration of international trade
 - To provide subsidy to third world countries so that they may compete with developed nations
 - To ensure exchange rate stability
- Only 1
 - Only 1 & 2
 - Only 2
 - Only 1 & 3
 - None of these
28. Which of the following is the aim of the 'Jan Shree Bima Yojana' of the Union Government launched in 2000 ?
- To provide food security to rural poor
 - Providing Insurance Security to people living below poverty line
 - To provide Insurance cover to the women
 - To provide Insurance cover to the children whose parents died in earthquake in Bhuj a few years back
 - None of these
29. Which of the following statement(s) about the India's forex kitty is/are true ?
- India's forex kitty grows fastest in the world
 - India's forex reserves registered a 169% growth during two and half years period ended in April 04
 - India's forex reserves growth established a huge lead over the economics of countries like U.K., USA and Japan
- Only 1
 - Only 2
 - Only 3
 - Only 1 & 2
 - All the three are true
30. Which of the following statement(s) about industrial output of India during the recent past is/are true ? (in last few months)—
- Industrial output surges 9-4%
 - Food production was increased by 15%
 - Manufacturing growth was 3-33%
- Only 1
 - Only 2
 - Only 3
 - Only 1 & 2
 - Only 2 & 3
31. Which of the following states is adjudged superior to most states in India in human development ?
- Tamil Nadu
 - Gujarat
 - Maharashtra
 - Karnataka
 - None of these
32. Which of the following is one major function of the Finance Commission set up by the Union Govt. once every five years ?
- To determine share of States and the Centre of Tax receipts
 - Determine the minimum support prices of all major agricultural commodities
 - Introduction of new taxes to be levied by the State and Union Governments
- Only 1 & 2
 - Only 2 & 3
 - Only 2
 - Only 3
 - Only 1
33. According to the World Trade Organisation (WTO) Anti Dumping measures can be imposed by a country in which of the following situations ?
- When hazardous nuclear and radioactive waste is dumped in the sea or coastal area of a country by some other nation
 - When some products that have been dumped in the market in such a way that they cause material injury to domestic industry
 - When some substandard agricultural products are dispatched to a country to meet the balance of payment requirements
- Only 1
 - Only 3
 - Only 2
 - Only 1 & 2
 - Only 2 & 3

34. Which of the following statement(s) is/are true about the Member of Parliament Local Area Development Scheme (MPLADS) ?
- (1) The scheme was introduced in the year 1977
 - (2) Under the scheme every MP can spend Rs. 2 Crore every year on some developmental activity in his/her area
 - (3) Around 6.8 lakhs works recommended by the MPs during past years out of which about 4.5 lakhs were completed by the year 2002
- (A) Only 1 (B) Only 1 & 2
(C) Only 2 (D) Only 2 & 3
(E) None of these
35. What are the objectives of the Task Force set up to suggest modalities for implementation of the interlinking of Rivers ?
- (1) To augment irrigation potential
 - (2) To fulfill the growing need of water
 - (3) To generate additional power
 - (4) To facilities transportation in the country through inland waterways
- (A) Only 1 & 2 (B) Only 2 & 3
(C) Only 3 & 4 (D) Only 4 & 1
(E) 1, 2, 3 & 4 all
36. Which of the following statements is/are true ?
- (1) A substantial part of the population of the South Asian Countries do not have access to safe drinking water
 - (2) The pattern of water consumption in the region is about 95% in agriculture and remaining 5% in industries. No water for domestic use
 - (3) The time is such that almost one out of four hospital bed is occupied by a patient who is ill because of water pollution
- (A) 1 & 3 only (B) Only 1
(C) Only 3 (D) Only 1 & 2
(E) 1, 2 & 3 all
37. The RBI has four Chief weapons to control or maintain desired equilibrium in the economy of the country. Which of the following is NOT one of them ?
- (B) Reserve requirement (banks have to keep a part of deposits as a reserve)
 - (C) Repo rate
 - (D) Bank rate
 - (E) Introducing new taxes/levies etc.
38. Which of the following is not the short name of a programme designed for employment generation ?
- (A) EAS (B) PMIUPED
(C) TRYSEM (D) CAPART
(E) SJGSY
39. The Government of India is seriously thinking to repeal which of the following acts ?
- (A) FERA
 - (B) FEMA
 - (C) Rent Control Act
 - (D) POTA
 - (E) None of these
40. Which of the following correctly defines what National Income means ?
- (1) It is the total earning of the employees of the Central Govt. all the State Govern-
 - (2) It is aggregate factor income which arises from current production of goods and services by the economy of a country
 - (3) It is the total value of the goods produced in various production centers run by State and Union Government
- (A) Only 1 (B) Only 2
(C) Only 3 (D) Only 2 & 3
(E) None of these
41. The increase in the world population has been accompanied by a major shift in its distribution. The share of the developed countries in the world population is approximately—
- (A) 15% (B) 20%
(C) 25% (D) 33%
(E) 38%
42. Which of the following is NOT a part of the Janapurna Yojana ?
- (1) Every family will be provided 10 kg. of food grains if they are a family identified

(A) Open market operations

as below poverty line

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- (2) All those who were getting pension as Senior Citizen are covered under the Scheme
- (3) Only women are covered under this scheme
- (A) Only 1 (B) Only 2
(C) Only 1 & 2 (D) Only 3
(E) All are not covered
43. The RBI announces Credit Policy twice in a year. What is the significance of the Credit Policy. Which of the following is CORRECT statement in this regard ?
- (1) It is a measure to influence the amount of money and credit in Indian economy
- (2) Credit Policy is a control on rate of interest offered by Banks on their products
- (3) It is an indication to the market that how they can plan their production decisions
- (4) It is the green signal to the Union Govt. that they can plan their budget and introduce new taxes if they so desire
- (A) Only 1
(B) Only 1 & 2
(C) Only 2 & 3
(D) Only 1, 2 & 3
(E) None of these
44. Which of the following countries announced that it will help Pakistan to build a nuclear power plant ?
- (A) S. Korea (B) China
(C) Russia (D) France
(E) None of these
45. Which of the following non-trade issues has taken a dominance in WTO agenda ?
- (A) Patents
(B) Genetically modified crops
(C) Free trade
(D) Environment
(E) None of these
47. Which of the following cities is famous for trading of diamonds in India ?
- (A) Jaipur (B) Surat
(C) Mumbai (D) Bangalore
(E) None of these
48. Which of the following statements is/are correct in respect of exports of jewellery from India ? (Pick up correct statements)—
- (1) Last year the export of gems and jewellery from India reached at a level of US \$ 10 billion for the first time
- (2) India got top position in exports market of gems and jewellery because of higher value realization for cut and polished diamonds in which India dominates
- (3) China & South Africa are India's two major competitors in the field of exports of gem and jewellery
- (A) Only 1 & 2 (B) Only 2
(C) Only 2 & 3 (D) Only 3
(E) Only 1 & 2
49. The reservation of seats for SCs and STs in the Parliament is extended for a period of how many years after 2000 ?
- (A) 5 years (B) 6 years
(C) 8 years (D) 10 years
(E) None of these
50. Approximately what per cent of total oil production of the world is produced by OPEC nations ?
- (A) 33% (B) 45%
(C) 50% (D) 65%
(E) 75%

Answers

1. (E) 2. (E) 3. (D) 4. (C) 5. (A)
6. (E) 7. (A) 8. (D) 9. (B) 10. (A)
11. (A) 12. (C) 13. (B) 14. (C) 15. (A)
16. (C) 17. (E) 18. (D) 19. (A) 20. (A)
21. (B) 22. (E) 23. (E) 24. (B) 25. (A)

46. Noise pollution is measured in the unit called—
 (A) Micron (B) Nautical miles
 (C) Ohms (D) Ampere
 (E) Decibel
26. (E) 27. (D) 28. (B) 29. (B) 30. (D)
 31. (C) 32. (E) 33. (C) 34. (C) 35. (E)
 36. (A) 37. (E) 38. (D) 39. (D) 40. (B)
 41. (A) 42. (D) 43. (B) 44. (B) 45. (D)
 46. (E) 47. (B) 48. (E) 49. (E) 50. (E)

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Hints

2. Unless base year index is given we may predict nothing by saying that index number in May 1985 was 355.
6. The companies paid capital before issue and the free reserves should be atleast \$ 10 crore.
16. The rapidly increasing population of India @ 1-93 annually (which was 1027 million in 2001) is estimated to be 1093 million in 2005, 1175 million in 2010, 1256 million in 2015, 1331 million in 2020 and 1400 million in 2026.
17. IFCI (Industrial Finance Corporation of India) and the corporatisation of the IDBI and its conversion from development financial institution into a Bank—the way is cleared for the same with the passage of a Bill to that effect by the Lok Sabha and the Rajya Sabha. It will start functioning as a Bank with effect from October 1, 2004.
34. The MPLADS Project was started on December 23, 1993. In the beginning, there was a provision of carrying out development works in the parliamentary constituency of an M.P. on the basis of his recommendation incurring an expenditure of Rs. 1 crore per year. But later on, with effect from December 23, 1998, this amount was raised to Rs. 2 crore.
38. The main function of CAPART (Council for Advancement of People's Action and Rural Technology) is to encourage voluntary action in the implementation of projects for rural prosperity.

English Language

Directions—(Q. 1–5) Which of the phrases (A), (B), (C) and (D) given below each sentence should replace the phrase printed in **bold** in the sentence to make it grammatically correct? If the sentence is correct as it is given and no correction is required, mark (E) as the answer.

1. Ultimately he **received the honour he deserve**.
 (A) Gained the honour he deserve
 (B) Received the honour he deserves
 (C) Received the honour he deserved
 (D) Bags the honour he deserve
 (E) No correction required
2. I am **totally opposite in the** statement of some of our Managers.
 (A) Totally oppose to the
 (B) Absolutely oppose by the
4. She was informed that everyone of them **are aware of the fact**.
 (A) Were aware of
 (B) Are aware at
 (C) Was aware of
 (D) Is aware in
 (E) No correction required
5. She has **being venturing into** areas which she had always avoided in the past.
 (A) Has been venturing into
 (B) Has venturing into
 (C) Would venturing into
 (D) Had venturing into
 (E) No correction required

Directions—(Q. 6–10) Read each sentence to

- (B) Absolutely oppose by the
(C) Totally opposed to the
(D) Completely opposed in the
(E) No correction required

3. Gayatri turned down the job offer to accommodate her friend.
(A) Job offered in accommodate
(B) Job offers for accommodate
(C) Job offer to accommodating
(D) Job offer in accommodate
(E) No correction required

Directions—(Q. 6–10) Read each sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (E). (Ignore errors of punctuation, if any).

6. They never thought / that Joshi is / oldest than the other/Professors in the Faculty. No error.
(A) (B) (C)
(D) (E)

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7. Taken into consideration / the advice of his / colleagues he decided / to stay in the Institute.
(A) (B)
(C) (D)
No error
(E)

The Palestinian leadership's inability to improve economic conditions for its people has been a decisive factor in the erosion of its ability to act. Palestinians in Gaza have targeted the PA as being responsible for their condition. The militant Organisations have capitalized on the PA's failure to establish a functioning adminis-

8. I am likely contact / you sometime in / next week to / discuss with you in detail. No error.
(A) (B)
(C) (D) (E)
9. The police has making / every effort to provide / best help and / attention to each citizen. No error
(A) (B) (C)
(D) (E)
10. He cannot withdraw / all his money / unless he do not / give advance notice. No error
(A) (B) (C)
(D) (E)

trative infrastructure by setting up a parallel welfare system with the help of the millions of dollars. Though the Palestinian security forces claim to have arrested more than 100 militants after the suicide bomb attacks in Israel, the other similar militant groups remain defiant, confident of their popular support and of the certainty that in the ultimate analysis the PA leadership will stop short of decisive action against them.

That the militant groups enjoy popular support in Gaza is hardly surprising. The Gaza strip today resembles a vast prison camp in which some 1.2 million Palestinians are crammed. Despite the Oslo Accord, 7000 Israeli settlers still remain in 20 per cent of Gaza's area and are protected by heavily armed Israeli forces. With its recent blockade of and extensive incursion into PA-controlled territories, the Israeli government has placed the whole civil society in Palestine under siege. Over 450 NGOs, eight universities and numerous other educational, civic, social developmental and health institutions have had their work impeded and their vital services to the population blocked. An international conference on Israel's treatment of human rights in West Bank and Gaza, attended by signatories to the 1948 Geneva Conventions, that has opened in Switzerland overriding Israeli and American

Directions—(Q. 11–25) Read the following passage and answer the questions given below it. Certain words/phrases have been printed in bold to help you locate them while answering some of the questions.

The suicide attacks by militant Palestinian groups killing large numbers of Israeli civilians and the harsh Israeli response, have raised the renewed hopes of peace in the region. It is Arafat's leadership and authority that are being severely tested in the latest phase of the West Asian crisis.

By **accusing** the Palestinian Authority (PA) of supporting terrorism by groups, Israel hopes to put pressure on Arafat to act. Arafat, on the other hand, has never looked a less powerful force than he does today. If he acts against the militants and elements in his own Fatah movement sympathetic to them, he risks a Palestinian civil conflict. But if he chooses to do nothing, he faces erosion of his authority and all claim to a central role in the peace process. **Whatever** he does, sections of the Palestinians will hold that he has gone too far and Israel that he has not gone far enough. This is, of course, why Arafat has invariably **shrunk** from hard decision. He has **refrained** from curbing the militant groups, explaining his inaction as necessary to maintain Palestinian unity.

protests, is expected to censor Israel for its treatment of civilians in the Palestinian territories.

Arafat's standing among Palestinians rests on the authority conferred on the PA by the international community to represent and speak for the Palestinians. Even the major militant group has so far never openly **challenged** Arafat's leadership. Israel's latest **vicious** attacks directed against the PA and Arafat present the international community with the danger that this precarious balance of power in the Palestinian community may be destroyed. Continuance of the Israeli attacks can only further radicalize and harden the attitudes of ordinary Palestinians. On the other hand, Israeli moves to freeze further expansion of Jewish settlements in the West Bank and Gaza and, as

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soon as security conditions permit it, ease the economic blockade of Palestinian towns—however

- (B) Concurring
(C) Welcoming

remote such measures appear just now—alone can restore the authority of the PA and give it a chance to get a grip on Palestinian militancy.

11. Which of the following factors have raised the hope for peace in West Asia ?
(i) Killings of Israeli civilians
(ii) Harsh response of Israelites
(iii) Revocation of Oslo Accord
(A) Only (i) and (iii)
(B) Only (ii) and (iii)
(C) Both (i) and (ii)
(D) Either (i) or (ii)
(E) None of these
12. Which of the following explains the lack of action on the part of Palestinian leader ?
(A) He fears the army action against him
(B) This according to him will hasten peace process
(C) He feels that this step will keep Palestinians united
(D) He is seriously worried about the degeneration of power base
(E) None of these

13. What is the ultimate analysis of other similar

- (D) Criticizing
(E) None of these

16. Which of the following is the expected outcome of International Conference which is in progress in Switzerland ?

- (A) To revoke 1949 Geneva convention
(B) Impose censorship on propaganda of PA
(C) To build cordial relations between conflicting parties
(D) To put a curb on Israel's policies while treating civilians in an alien territory
(E) None of these

17. Who according to the passage conferred the authority to PA ?

- (A) Arafat
(B) Israel
(C) Militant groups
(D) International Community
(E) None of these

18. Which of the following best explains the word **vicious** as used in the passage ?

- (A) Dangerous
(B) Fatal
(C) Reoccurring and cyclic

- (B) Only (ii)
 (C) Either (i) or (ii)
 (D) Both (i) and (ii) together
 (E) Neither (i) nor (ii)
21. What may be the effect of continuous Israeli attacks ?
 (A) It may harness a negative attitude amongst the civil Palestinians
 (B) It may destroy militancy from its basic roots
 (C) It may revitalize the weakening leadership of PA
 (D) It may enhance militant activities
 (E) None of these
22. Which of the following best explains the word **remote** as used in the passage ?
 (A) Far away from reality
 (B) Distant
 (C) Most likely to happen
 (D) Control in someone else's hand
 (E) None of these
23. Which of the following is the **MOST SIMILAR** word as **accusing** as used in the passage ?
13. What is the ultimate analysis of other similar militant groups ?
 (A) The PA leadership will only act if a definite forceful action is taken on the P.A.
 (B) The suicidal attacks will only aggravate the situation
 (C) The PA leadership should be changed
 (D) The action on the Palestinians was justified
 (E) None of these
14. Which of the following words is just **OPPOSITE** in meaning to the word **IMPEDED** as used in the passage ?
 (A) Hindered (B) Facilitated
 (C) Felicitated (D) Stopped
 (E) Courage
15. What does the word **overriding** mean as used in the passage ?
 (A) Notwithstanding
- Whatever prosperity India enjoyed in the seventeenth century disappeared when the Mogul Empire (26) apart. The most immediate cause of this breakdown was the religious intolerance, which led to open rebellion. It was to (27) these revolts that the bigot ruler spent (28) years in the field, with immense armies consuming the revenues of the country. There were, however, more deep-seated (29). The corruption of officials and the oppression of the masses steadily (30) the empire's life blood. For some time there had been a noticeable deterioration in the character of the ruling class. Wars of succession (31) wiped out the leading families, and new blood from central Asia was no (32) recruited for the higher governmental posts. Finally, the Mogul Empire was an alien regime. It continues to be so (33). Akbar's policy of conciliation was abandoned, and it wore itself out trying to maintain its power (34) the ceaseless opposition, only now and then over but always present, of the (35) citizens.
26. (A) Became (B) Joined
 (C) Broke (D) Dashed
 (E) Banged
27. (A) Motivate (B) Run out
 (C) Revitalize (D) Cycle
 (E) None of these
28. What dangers are being perceived by the International Community ?
 (A) Both the nations may get destroyed if war erupts
 (B) The PA and Israel will never strike a deal
 (C) The attacks against PA may destroy the balance of power in Palestine
 (D) The militancy may spread in other countries also
 (E) None of these
29. Which of the following can restore the degenerating authority of PA ?
 (i) Arresting the expansion of Jewish settlements
 (ii) Easening the economic blockade of Palestinian towns
 (A) Only (i)

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- (B) Only (ii)
 (C) Either (i) or (ii)
 (D) Both (i) and (ii) together
 (E) Neither (i) nor (ii)
21. What may be the effect of continuous Israeli attacks ?
 (A) It may harness a negative attitude amongst the civil Palestinians
 (B) It may destroy militancy from its basic roots
 (C) It may revitalize the weakening leadership of PA
 (D) It may enhance militant activities
 (E) None of these
22. Which of the following best explains the word **remote** as used in the passage ?
 (A) Far away from reality
 (B) Distant
 (C) Most likely to happen
 (D) Control in someone else's hand
 (E) None of these
23. Which of the following is the **MOST SIMILAR** word as **accusing** as used in the passage ?

- (A) Abusing (B) Blaming
 (C) Charging (D) Responding
 (E) Praising

24. Which of the following is the **MOST OPPOSITE** in meaning as the word **shrunk** as used in the passage ?
 (A) Coming forward (B) Abdicating
 (C) Control (D) Expand
 (E) None of these
25. Which of the following best describes the meaning of the word **challenged** as used in the passage ?
 (A) Questioned (B) Accepted
 (C) Attacked (D) Scared
 (E) None of these

Directions—(Q. 26–35) In the following passage there are blanks, each of which has been **numbered**. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

Whatever prosperity India enjoyed in the seventeenth century disappeared when the Mogul Empire (26) apart. The most immediate cause of this breakdown was the religious intolerance, which led to open rebellion. It was to (27) these revolts that the bigot ruler spent (28) years in the field, with immense armies consuming the revenues of the country. There were, however, more deep-seated (29). The corruption of officials and the oppression of the masses steadily (30) away the empire's life blood. For some time there had been a noticeable deterioration in the character of the ruling class. Wars of succession (31) wiped out the leading families, and new blood from central Asia was no (32) recruited for the higher governmental posts. Finally, the Mogul Empire was an alien regime. It continues to be so (33). Akbar's policy of conciliation was abandoned, and it wore itself out trying to maintain its power (34) the ceaseless opposition, only now and then overbearing the present, of the (35) citizens.

26. (A) Became (B) Joined
 (C) Began (D) Dashed
 (E) Began
27. (A) Motivate (B) Run out

- (C) Crash (D) Crush
 (E) Cajole

28. (A) Most (B) No
 (C) Hardly (D) Many
 (E) Inexpensive

29. (A) Affect (B) Variables
 (C) Attributes (D) Characteristics
 (E) Causes

30. (A) Went (B) Drained
 (C) Gone (D) Sucked
 (E) Released

31. (A) Had (B) Has
 (C) Have (D) Was
 (E) Did

32. (A) Shorter (B) Longer
 (C) Pumped (D) Far
 (E) Candidate

33. (A) Before (B) At
 (C) Into (D) Over
 (E) After

34. (A) For (B) Far
(C) At (D) Against
(E) Favouring
26. (C) 27. (D) 28. (D) 29. (E) 30. (B)
31. (A) 32. (B) 33. (E) 34. (E) 35. (B)
36. (A) 37. (B) 38. (D) 39. (D) 40. (C)

35. (A) Contented (B) Discontented
(C) Weeping (D) Ruling
(E) Calm

Directions—(Q. 36–40) Pick out the most effective word/phrase from the given words to fill in the blank to make the sentence meaningfully complete.

36. A group of junior college boys.....the highest peak of the Shilvalik range of the Himalayas.
(A) Scaled (B) Walked
(C) Climb up (D) Avoided
(E) Won
37. Tiwari's well-wishers went to extreme to.....his business reputation.
(A) Speak (B) Enhance
(C) Cajole (D) Provoke
(E) Advocate
38. It is not possible this year to run this Company with so many employees, without increasing the.....of deficit.
(A) Loss (B) Altitude

Hints

1. There is no proof in the sentence of the subject being still alive. Therefore, we use Past tense at both the places. In case this sentence had been a part of a passage and it would appear from the passage that the subject (He) is alive in the present, then, in that case, we would have written 'received the honour he deserves'.
2. The correct phrase is : 'Totally apposed to the statement'.
4. 'Everyone', each of etc. are followed by a singular verb. Therefore, the correct expression here will be 'was aware of'.
5. The structure of the Present Perfect Continuous is : Subject + has / have + been + V₄ (V₁+ing) + Therefore the correct phrase will be 'she has been venturing into ...'.
6. The comparative degree takes 'among' and not 'than' and the superlative degree is always preceded by article 'the'. Therefore, the correct sentence will be : They never thought

- (C) Gain (D) Magnitude
(E) Extend
39. A special programme to raise the standard of living of village folks has been.....by the Government.
(A) Affixed (B) Stalled
(C) Glued (D) Launched
(E) Propose
40. A herd of elephants.....ready to attack the lion.
(A) Were (B) Is
(C) Was (D) Are
(E) Has been

Answers

1. (C) 2. (C) 3. (E) 4. (C) 5. (A)
6. (C) 7. (A) 8. (A) 9. (A) 10. (C)
11. (A) 12. (E) 13. (E) 14. (B) 15. (A)
16. (D) 17. (D) 18. (A) 19. (C) 20. (D)
21. (A) 22. (A) 23. (B) 24. (E) 25. (A)

12. The reason for being lenient in taking tough measures by the Palestinian leader Arafat is the Palestinian government of Arafat has failed to improve the condition of 12 lakh Palestinians residing in the Gaza strip. Naturally in the even of to any tough action taken being taken, the general public opinion will become opposed to the authority of the Arafat government and the Palestinians will come out in support of the fundamentalists/extremists'.
13. The other extremist's organisation are silent thinking that they have the support of the people of the Gaza strip and in case the Arafat government initiates any tough step against them, the Palestinian will be forced to support the extremists openly in opposition to the Arafat government.

that Joshi is the oldest among the professors in the faculty.

7. The correct phrase for 'keeping in mind' is 'taking into consideration' or having taken into consideration'. Therefore, the correct sentence will be : Taking into consideration the advice of his colleagues he decided to stay in the institute or having taken into consideration the advice of his colleagues he decided to stay in the institute.

8. In the Present sentence instead of 'I am likely to contact', the correct expression will be 'I am likely to contact'. Here preposition 'to' is missing.

9. In the given sentence the correct expression will be 'The police has been making' in place of 'The police has making'.

10. The given sentence suffers from the fault of double negatives. Therefore, in this past of the sentence 'unless he do not' will be changed to 'unless he does.....'.

It is clear from the first paragraph of the given passage.

14. 'Immede' means 'to obstruct, any activity'. On the other hand, 'facilitate' means to help or support any activity.

15. 'To overside' means to 'decide inspite of the existence of other factors'. 'Not with standing' also means the same.

16. The main purpose of the conference being held in Switzerland is to condemn the oppressive policies adopted by the Israeli government.

17. It is clear from the first line of the last paragraph authority conferred on the P.A by the international community.

24. Here the word 'shrunk' is used to signify 'to hesitate'.

36. 'Scaled' means. 'ascended' or 'climbed'.

40. 'Herd' is followed by singular verb. Here in the context of the sentence the use of 'was' is correct.

Quantitative Aptitude Test

Directions—(Q. 1 to 4) In each of the following questions a number series is given. After the series a number is given followed by (a), (b), (c), (d) and (e). You have to complete the

4. 4 16 9 256 81
(a) 1 (b) 16 (c) 9 (d) 256 (e) 81

What will come in place of (d) ?

series starting with the number given, following the sequence of the original series and answer the questions that follow the series.

1. 16 24 36 54 81 121.5
14 (a) (b) (c) (d) (e)

What will come in place of (b) ?

- (A) 34 (B) 31.5
(C) 30.5 (D) 32
(E) None of these

2. 7 15 31 63 127 255
4 (a) (b) (c) (d) (e)

What will come in place of (d) ?

- (A) 81 (B) 92
(C) 74 (D) 66
(E) None of these

3. 6 18 36 108 216 648
2 (a) (b) (c) (d) (e)

What will come in place of (e) ?

- (A) 482 (B) 344
(C) 216 (D) 420
(E) None of these

7. Seven kgs. of sugar was available for Rs. 84 last year. If this year nine kgs. of sugar is available for Rs. 135, how much is the percentage increase in the price of sugar ?

- (A) 15 (B) 30
(C) 20 (D) 25
(E) None of these

8. What value should come in place of question mark (?) in the following equation ?

$$48\sqrt{?} + 32\sqrt{?} = 320$$

- (A) 16 (B) 8
(C) 4 (D) 24
(E) None of these

9. Mr. Patkar earns Rs. 10,000 per month. Every year he spends 18 per cent of his annual income on buying clothes. How much money does Mr. Patkar spend every month on buying clothes ?

- (A) Rs. 1500 (B) Rs. 1750
(C) Rs. 2500 (D) Rs. 2250
(E) None of these

10. The number of student majoring in Physics, Chemistry and Zoology in a college in the year 2003 were in the ratio 4 : 3 : 5

- (A) 872 (B) 948
(C) 1145 (D) 1296
(E) None of these

5. A tap can completely fill a water tank in 8 hours. The water tank has a hole in it through which water leaks out. The leakage will take the water tank to get empty in 12 hours. How much time will take for the tap to fill water completely in the tank with the hole ?

- (A) 16 hours (B) 29 hours
(C) 24 hours (D) 18 hours
(E) None of these

6. On Children's day, chocolates were to be equally distributed among 250 children. But on that day 75 children were absent. Thus each student got 3 chocolates extra. How many chocolates were distributed totally ?

- (A) 2520 (B) 1750
(C) 1550 (D) 2500
(E) None of these

13. Monthly income of Prashad is 25% more than the monthly income of Anam. Anam's monthly income is 75% less than that of Bhushan. If the difference between the monthly income of Prashad and Bhushan's Rs. 6125, What is the monthly income of Anam ?

- (A) Rs. 8000
(B) Rs. 16000
(C) Rs. 9500
(D) Data inadequate
(E) None of these

14. If $\frac{2}{3}$ of $\frac{5}{7}$ of a number is 15, then what is one half of that number ?

- (A) 21 (B) 26
(C) 42 (D) 25
(E) None of these

15. Total present age of A and B is more than that of the total present age of B and C by 12 years. How much C is younger than A ?

- (A) 12 years (B) 24 years
(C) Data inadequate (D) C is elder than A
(E) None of these

respectively. If the number in the three disciplines increased by 50%, 25% and 10% respectively in the year 2004, what was the new respective ratio ?

- (A) 24 : 15 : 22
(B) 18 : 11 : 13
(C) 24 : 13 : 17
(D) Cannot be determined
(E) None of these

11. The average age of 82 students and the class teacher is 18 years. Total age of all the students only is 1450 years. What is the age of the class teacher ?

- (A) 32 years (B) 40 years
(C) 48 years (D) Data inadequate
(E) None of these

12. 50% of a number is more than 35% of the same number by 39. What is 115% of that number ?

- (A) 179 (B) 299
(C) 85 (D) 215
(E) None of these

16. The average marks obtained by Amit in English and History is 95. The average marks obtained in English and Science by him is 87. What is the difference between the marks obtained by him in History and Science ?

- (A) 20 (B) 40
(C) 12 (D) 16
(E) None of these

17. Ravi and Mita can do a work independently in 15 and 10 minutes respectively. If they work together then in how many minutes they will complete the same work ?

- (A) 6 (B) 9
(C) 6 (D) 8
(E) None of these

18. If the cost of 5 chairs and 3 tables is Rs. 150 and 5-20, then what is the approximate cost of 9 tables and 15 chairs ?

- (A) Rs. 50000 (B) Rs. 37000
(C) Rs. 45000 (D) Rs. 40000
(E) None of these

19. Kumar borrowed Rs. 6500 from Dwang at simple interest. After 4 years Kumar returned Rs. 2080 more than what he borrowed from Dwang. What is rate of interest per annum ?

- (A) 6% (B) 8%
(C) 12% (D) 7%
(E) None of these

20. If $3\sqrt{5} + \sqrt{125} = 17.88$, What is the value of $\sqrt{80} + 6\sqrt{5} = ?$

- (A) 20.46 (B) 22.35
(C) 21.86 (D) 20.12
(E) None of these

Directions—(Q. 21 to 25) In each of the following questions there is a question which is followed by three statements. You have to read the question with statements and decide which of the statement/statements is/are sufficient to answer the question.

21. What is the speed of stream ?

- I. Speed of boat in still water is 4 km/hr.
II. Speed of boat in direction of current is 6 km/hr.
III. The difference in speed of boat in still water and down stream is 2 km/hr.

- (A) Only I and II

III. He had joined exactly 7 years ago.

- (A) II and III only
(B) All I, II and III
(C) I and II only
(D) I and III only
(E) None of these

24. What is the total strength of the college ?

- I. 45% of the student are studying Commerce only.
II. 1513 students are studying disciplines other than Arts.
III. 1275 students are studying disciplines other than Commerce.

- (A) Only I and III
(B) Only II and III
(C) Only I
(D) Only III
(E) None of these

25. What is the rate of simple interest p.c.p.a ?

- I. An amount of Rs. 7500 increases by Rs. 1125 at the end of one year.
II. The principal amount of Rs. 6000 increases by three time in 20 years.

- (B) Only II
(C) Either I and II together or only III
(D) Only I and either II or III
(E) Any of the three
22. What was the amount of profit earned ?
I. 8% discount was offered on the labelled price.
II. Had there been no discount, profit would have been 29%.
III. Selling price was more than the cost price by 16%.
(A) I and either II or III
(B) Any two of the three
(C) All I, II and III
(D) Either I or II and III
(E) Question cannot be answered even with the information in all three statements
23. What is Amar's present salary ?
I. The salary increases every year by 12%.
II. His salary at the time of joining was Rs. 3500.

III. Interest accrued on an amount of Rs. 5200 in 3 years is Rs. 2340.

- (A) Either I and II or III only
(B) Only III
(C) Only I
(D) Any one of the three
(E) None of three

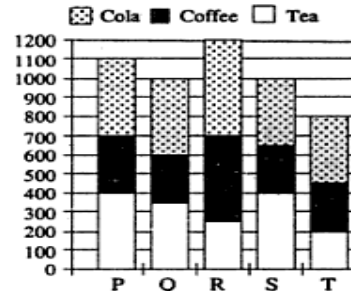
Directions—(Q. 26 to 30) Study the following carefully and answer these questions.

Percentage of students passing in SSC from 6 different schools over the years

Year	1997	1998	1999	2000	2001	2002
A	25	80	50	30	15	75
B	30	35	45	25	60	85
C	65	60	55	40	75	75
D	80	3	20	95	70	55
E	10	25	75	65	70	90
F	55	55	95	88	85	90

26. If the total number of students appearing for SSC from school C in the year 2001 was 1204, what is the number of students passing?
(A) 900 (B) 897
(C) 905 (D) 850
(E) None of these
27. What is the ratio of number of students passing SSC from school A to that of School E in the year 1999, if the number of students appeared was 2914 and 604 from school A and E respectively in that year ?
(A) 1457 : 453
(B) 1450 : 457
(C) 1277 : 527
(D) 1834 : 627
(E) None of these
28. What is the percentage increase/decrease in the number of students passing SSC from school F in the year 2000 from the previous year ?
(A) 10
(B) 65
(C) 17
(D) Cannot be determined

The number of students from 5 schools having a separate liking for different drinks



31. Total number of students of which college prefers maximum percentage of coffee ?
(A) P (B) Q
(C) R (D) S
32. What is the ratio of the number of students of college 'S', who prefer tea and cola to the number of students of college T who prefer coffee and cola ?
(A) 7 : 6 (B) 4 : 5
(C) 6 : 7 (D) 5 : 4

- (E) None of these
29. If in years 1997, 1998 and 2002 the numbers of students appearing for S.S.C. from the school B are 980, 2520 and 1200, what is the total number of students passing in these years ?
 (A) 2503 (B) 2105
 (C) 2203 (D) 2315
 (E) None of these
30. If the number of students passing S.S.C. from school D in the year 1997 was 1840, what is the number of students appeared from that school in the same year ?
 (A) 2500
 (B) 2300
 (C) 1900
 (D) 2800
 (E) None of these
33. What is the ratio of the number of students of College 'P' who prefer cola to the total number of students of same college ?
 (A) $30\frac{3}{7}$ (B) $27\frac{1}{5}$
 (C) $29\frac{4}{11}$ (D) $29\frac{1}{3}$
 (E) None of these
34. What is the percentage of students of all colleges who drink tea to the total number of students ?
 (A) 22 (B) 47
 (C) 31 (D) 24
 (E) None of these
35. What is the total number of students of all colleges who drink cola ?
 (A) 2000 (B) 1900
 (C) 2400 (D) 1500
 (E) None of these

Directions—(Q. 31 to 35) Study the following graph to answer these questions.

Directions—(Q. 36 to 40) Study the Chart given below to answer these questions.

The number of items (in thousands) manufactured (M) and defecting (D) by 5 units of a company in the previous years

Years	Units									
	I		II		III		IV		V	
	M	D	M	D	M	D	M	D	M	D
1996	53	21	45	12	76	38	56	21	46	18
1997	49	18	32	10	45	24	63	24	36	14
1998	50	18	48	18	55	16	68	30	34	15
1999	65	20	68	15	57	20	54	19	48	12
2000	70	31	72	13	82	22	48	27	58	10
2001	44	15	56	22	38	32	40	15	60	11

36. In which year the percentage of defective items manufactured by the unit IV was maximum ?
 (A) 1996 (B) 1997
 (C) 1998 (D) 1999
 (E) 2000

Answers

1. (B) 2. (E) 3. (C) 4. (D) 5. (C)
 6. (B) 7. (D) 8. (E) 9. (A) 10. (A)
 11. (E) 12. (B) 13. (C) 14. (A) 15. (A)
 16. (D) 17. (C) 18. (C) 19. (B) 20. (B)
 21. (C) 22. (E) 23. (D) 24. (A) 25. (D)
 26. (E) 27. (A) 28. (D) 29. (C) 30. (B)
 31. (C) 32. (D) 33. (E) 34. (E) 35. (D)
 36. (E) 37. (B) 38. (D) 39. (A) 40. (B)

Hints

1. As,

$$16 \xrightarrow{\times \frac{3}{2}} 24 \xrightarrow{\times \frac{3}{2}} 36 \xrightarrow{\times \frac{3}{2}} 54 \xrightarrow{\times \frac{3}{2}} 81 \xrightarrow{\times \frac{3}{2}} 121.5$$

Similarly,

$$14 \xrightarrow{\times \frac{3}{2}} 21 \xrightarrow{\times \frac{3}{2}} 31.5$$

37. In which year the percentage of increase or decrease was maximum in comparison of previous year in Unit I ?

(A) 1998 (B) 2001
(C) 1999 (D) 1997
(E) None of these

38. What is the average of defective items of unit II in the given years ?

(A) 21500 (B) 17000
(C) 12500 (D) 15000
(E) None of these

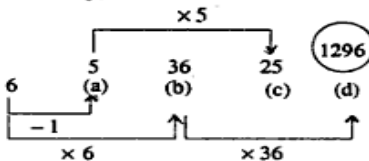
39. What is the ratio between the total number of items manufactured by unit III in all the years and the number of items manufactured by unit V in all the years ?

(A) 353 : 282 (B) 282 : 353
(C) 457 : 215 (D) 215 : 457
(E) None of these

40. What is the percentage (to the nearest whole number) of defecting items of all the items manufactured by all the units in the year 2001?

(A) 42 (B) 40
(C) 37 (D) 33
(E) None of these

Similarly,



5. ∴ Part of the tank with the hole filled in 1 hour

$$= \frac{1}{8} - \frac{1}{12}$$

$$= \frac{3-2}{24}$$

$$= \frac{1}{24}$$

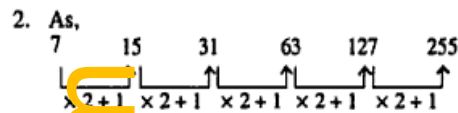
∴ Time taken for the tap to fill water completely in the tank with the hole

$$= \frac{1}{\frac{1}{24}} = 24 \text{ hours}$$

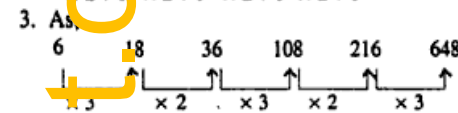
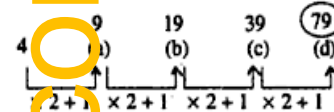
6. Let the number of chocolates distributed to each child be n

$$\therefore \text{Total number of chocolates} = 250n$$

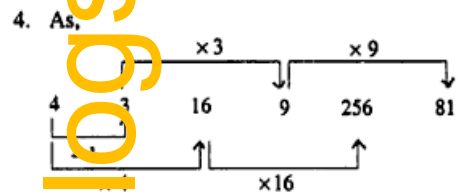
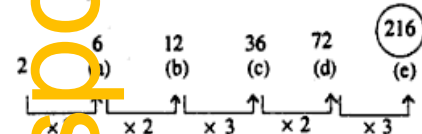
$$\therefore (250 - 75) \times (n + 3) = 250n$$



Similarly,



Similarly,



$$8. \therefore 48\sqrt{?} + 32\sqrt{?} = 320$$

$$= (48 + 32)\sqrt{?} = 320$$

$$= \sqrt{?} = \frac{320}{80} = 4$$

$$? = (4)^2$$

$$= 16$$

9. Money spent by Mr. Patkar every month on clothes = $10000 \times \frac{18}{100}$
= Rs. 1800

10. Let the number of students for 2003 in Physics, Chemistry and Zoology be 400 k, 300k and 500 k respectively.

∴ Number of students for 2004 in the respective subjects are 375k and 550k.

$$\text{Reqd. ratio} = 600 \text{ k} : 375 \text{ k} : 550 \text{ k}$$

$$= 24 : 15 : 22$$

11. Age of the class teacher = $(83 \times 18) - 1450$
= $1494 - 1450$
= 44 years.

12. Let the required number be N .

$$50\% \text{ of } N - 35\% \text{ of } N = 39$$

$$= \frac{N}{2} - \frac{7N}{20} = 39$$

$$\begin{aligned}\Rightarrow 175(n+3) &= 250n \\ \Rightarrow 7(n+3) &= 10n \\ \Rightarrow 7n+21 &= 10n \\ \Rightarrow 3n &= 21 \\ \therefore n &= \frac{21}{3} \\ &= 7\end{aligned}$$

$$\begin{aligned}\therefore \text{Total number of chocolates distributed} \\ &= 250 \times 7 \\ &= 1750\end{aligned}$$

$$\begin{aligned}7. \therefore \text{Price of Sugar last year} &= \frac{84}{7} \\ &= \text{Rs. } 12.00\end{aligned}$$

$$\begin{aligned}\text{And Price of sugar this year} &= \frac{135}{9} \\ &= \text{Rs. } 15.00\end{aligned}$$

$$\begin{aligned}\therefore \text{Reqd. percentage of increase in the price} \\ &= \frac{(15-12)}{12} \times 100 \\ &= 25\%\end{aligned}$$

14. Let the number be n .

$$\therefore n \times \frac{5}{7} \times \frac{2}{3} \times \frac{3}{4} = 15$$

$$\begin{aligned}\Rightarrow n &= \frac{15 \times 7 \times 3 \times 4}{5 \times 2 \times 3} \\ &= 42\end{aligned}$$

$$\therefore \text{Half of the number} = \frac{n}{2} = \frac{42}{2} = 21$$

$$\begin{aligned}15. \therefore (A+B) &= (B+C) + 12 \\ \Rightarrow A-C &= 12\end{aligned}$$

$\therefore C$ is younger than A by 12 years.

$$\begin{aligned}16. \text{Total Marks of (English + History)} &= 2 \times 95 \\ &= 190 \quad \dots(1)\end{aligned}$$

$$\begin{aligned}\text{And Total Marks of (English + Science)} \\ &= 2 \times 87 \\ &= 174 \quad \dots(2)\end{aligned}$$

\therefore Marks of (History - Science)

$$\begin{aligned}\Rightarrow \text{Reqd. Difference} &= 190 - 174 \\ &= 16\end{aligned}$$

17. Work done by Riya and Mita in 1 minute

$$\begin{aligned}&= \frac{1}{15} + \frac{1}{10} \\ &= \frac{5}{30} = \frac{1}{6}\end{aligned}$$

$$\Rightarrow N = \frac{39 \times 20}{3} = 260$$

$$\begin{aligned}\therefore 115\% \text{ of } 260 &= \frac{115}{100} \times 260 \\ &= 299\end{aligned}$$

13. Let the monthly income of Bhushan be Rs. 400.

$$\begin{aligned}\therefore \text{Monthly income of Anam} \\ &= 400 \times \frac{(100-75)}{100} = \text{Rs. } 100\end{aligned}$$

$$\begin{aligned}\therefore \text{Monthly income of Prashad} \\ &= 100 \times \frac{(100+25)}{100} \\ &= \text{Rs. } 125\end{aligned}$$

$$\begin{aligned}\therefore \text{Difference between the monthly income of Prashad and Bhushan} \\ &= 400 - 125 = \text{Rs. } 275\end{aligned}$$

$$\begin{aligned}\therefore \text{Monthly income of Anam} \\ &= \frac{100 \times 26125}{275} \\ &= \text{Rs. } 9500\end{aligned}$$

$$\begin{aligned}\therefore \sqrt{80} + 6\sqrt{5} &= 4\sqrt{5} + 6\sqrt{5} \\ &= 10\sqrt{5} \\ &= 10 \times \frac{17.88}{8} \\ &= 22.35\end{aligned}$$

21. Let the speed of the boat in still water be u km/hr.

And speed of the stream be v km/hr.

$$\text{From (I) } u = 4 \text{ km/hour.}$$

$$\text{From (II) } u + v = 6 \text{ km/hour.}$$

$$\text{And from (III) } (u+v) - u = 2 \text{ km/hour.}$$

Hence in order to get v , either (I), and (II) or only (III) are sufficient.

22. As cost price or selling price is not given. The amount of profit cannot be determined with the informations given in all the three statements.

23. Amar's present salary

$$\begin{aligned}&= 3500 + \frac{3500 \times 12 \times 7}{100} \\ &= 3500 + 2940 \\ &= \text{Rs. } 6440\end{aligned}$$

$$\begin{aligned}24. \quad 1375 &= (100 - 45)\% \\ &= 55\%\end{aligned}$$

Hence they together will complete the work in 6 minutes.

18. Cost of 5 chairs and 3 tables

$$= \text{Rs. } 15015 \cdot 20$$

\therefore Cost of 15 chairs and 9 tables

$$= 15015 \cdot 20 \times 3$$

$$= \text{Rs. } 45045 \cdot 60$$

$$= \text{Rs. } 45000 \text{ (App.)}$$

$$\begin{aligned} 19. \therefore R &= \frac{S.I. \times 100}{P \times T} \\ &= \frac{2080 \times 100}{6500 \times 4} \\ &= 8\% \text{ p.a.} \end{aligned}$$

$$20. \therefore 3\sqrt{5} + \sqrt{125} = 17 \cdot 88$$

$$\Rightarrow 3\sqrt{5} + 5\sqrt{5} = 17 \cdot 88$$

$$\Rightarrow 8\sqrt{5} = 17 \cdot 88$$

$$\therefore \sqrt{5} = \frac{17 \cdot 88}{8}$$

$$\begin{aligned} 27. \text{ Reqd. ratio} &= \frac{2914}{2} \\ &= \frac{2914}{604 \times \frac{3}{4}} \\ &= \frac{2914}{2} \times \frac{4}{604 \times 3} \\ &= 1457 : 453 \end{aligned}$$

29. Reqd. number of students

$$\begin{aligned} &= \left[980 \times \frac{30}{100} + 2540 \times \frac{35}{100} + 1200 \times \frac{85}{100} \right] \\ &= 980 \times \frac{3}{10} + 2540 \times \frac{7}{20} + \frac{1200 \times 17}{20} \\ &= 294 + 889 + 1020 \\ &= 2203 \end{aligned}$$

$$\begin{aligned} 30. \text{ Reqd. number of students} &= \frac{1840 \times 100}{80} \\ &= 2300 \end{aligned}$$

From Question 31 to 35

$$\begin{aligned} \therefore 100\% &= \frac{1375 \times 100}{55} \\ &= 2500 \end{aligned}$$

Hence I and III are necessary to answer the question.

$$25. \text{ From I } R = \frac{1125 \times 100}{7500 \times 1} = 15\% \text{ p.a.}$$

$$\begin{aligned} \text{From II } R &= \frac{3 \times 6000 \times 100}{6000 \times 20} \\ &= 15\% \text{ p.a.} \end{aligned}$$

$$\begin{aligned} \text{From III } R &= \frac{2340 \times 100}{5200 \times 3} \\ &= 15\% \text{ p.a.} \end{aligned}$$

Hence answer of the question can be calculated from any of the three statements.

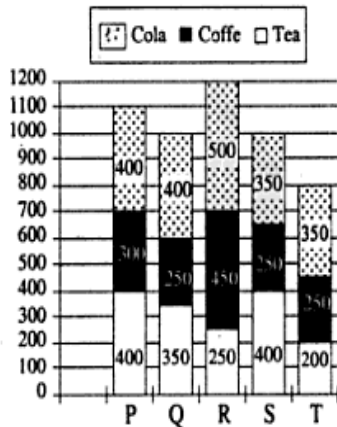
$$\begin{aligned} 26. \text{ Reqd. number of students passing in the year} \\ &= \frac{1204 \times 75}{100} \\ &= 903 \end{aligned}$$

$$\begin{aligned} 32. \text{ Reqd. ratio} &= \frac{400 + 350}{250 + 350} \\ &= \frac{750}{600} = \frac{5}{4} \end{aligned}$$

$$\begin{aligned} 33. \text{ Reqd. \%} &= \frac{300 \times 100}{1100} = \frac{300}{11} \\ &= 27 \frac{3}{11} \%. \end{aligned}$$

$$\begin{aligned} 34. \text{ Reqd. \%} \\ &= \frac{(400 + 350 + 250 + 400 + 200) \times 100}{(1100 + 1000 + 1200 + 1000 + 800)} \\ &= \frac{1600 \times 100}{5100} \\ &= 31 \cdot 37\% \text{ (Approx)} \end{aligned}$$

$$\begin{aligned} 35. \text{ Reqd. number of students} \\ &= 300 + 250 + 450 + 250 + 250 \\ &= 1500 \end{aligned}$$



31. Req. percentage of P = $\frac{300 \times 100}{1100} = \frac{300}{11}$
 $= 22.27\%$

Req. percentage of Q = $\frac{250 \times 100}{1000} = 25\%$

Req. percentage of R = $\frac{450 \times 100}{1200} = \frac{75}{2}$
 $= 37.50\%$

Req. percentage of S = $\frac{250 \times 100}{1000} = 25\%$

Req. percentage of T = $\frac{250 \times 100}{800} = \frac{125}{4}$
 $= 31.25\%$

∴ Percentage of college R is maximum

increase is in 1999 and maximum % decrease in 2001.

% increase in 1999 = $\frac{(55 - 50) \times 100}{50}$
 $= +30\%$

36. Req. percentage in 1996 = $\frac{21 \times 100}{56}$

$= 37.5\%$

Req. percentage in 1997 = $\frac{24 \times 100}{63}$

$= 38.09\%$

Req. percentage in 1998 = $\frac{30 \times 100}{68}$

$= \frac{750}{17}$

$= 44\% \text{ (Approx)}$

Req. percentage in 1999 = $\frac{19 \times 100}{54} = \frac{950}{27}$

$= 35\% \text{ (Approx)}$

Req. % in 2000 = $\frac{27 \times 100}{48} = \frac{225}{4}$

$= 56\% \text{ (Approx)}$

Req. % in 2001 = $\frac{15 \times 100}{40}$

$= 37.5\%$

∴ It is maximum in the year 2000.

37. From graph it is clear that maximum % increase is in 1999 and maximum % decrease

22 | R.B.I. O. (B)

And % decrease in 2001 = $\frac{44 - 70}{70} \times 100$
 $= -37\%$

∴ Max. decrease is in 2001.

38. Req. average
 $= \frac{(12 + 10 + 18 + 15 + 13 + 22)}{6} \times 1000$
 $= 15000$

39. Req. ratio

$= \frac{(76 + 45 + 55 + 57 + 82 + 38) \times 1000}{(46 + 36 + 34 + 48 + 8 + 60) \times 1000}$
 $= 353 : 282$

40. Req. percentage in 2001

$= \frac{(15 + 22 + 32 + 15 + 11) \times 100}{(44 + 56 + 38 + 10 + 100)}$
 $= \frac{9500}{238} = 40$

Reasoning

1. In a certain code, BRING is written as 23514 and NIGHT is written as 15478. How is TRIG written in that code ?
 (A) 8534 (B) 8314
 (C) 8514 (D) 8354
 (E) None of these
2. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
 (A) Paper (B) Pencil
 (C) Pen (D) Sharpener
 (E) Ink
3. What should come in place of the question mark (?) in the following letter sequence ?
 PERPENDICULAR, ERPENDICULA,
 RPENDICUL ?
 (A) PENDIC (B) ENDIC
 (C) ENDICU (D) PENDICUL
 (E) None of these
4. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
 (A) 10 (B) 120
 (C) 50 (D) 290
 (E) 170
5. How many such pairs of letters are there in the word CREDIBLE each of which has as many letters between them in the word as in the English alphabet ?
 (A) None (B) One
 (C) Two (D) Three
 (E) More than three
6. Pointing to a boy, Meena said "He is the son of my grandfather's only child." How is the boy related to Meena ?
 (A) Brother
 (B) Cousin
 (C) Uncle
 (D) Data inadequate
 (E) None of these
7. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
 (A) Goat (B) Cat
 (C) Fox (D) Horse
 (E) Dog
8. In a row of forty children, P is thirteenth from the left end and Q is ninth from the right end. How many children are there between P and R if R is fourth to the left of Q ?
 (A) 13 (B) 14
 (C) 15 (D) 12
 (E) None of these
9. In a certain code GROUND is written as HQPTOC. How is TIRED written in that code ?
 (A) UHSDC (B) UJSFE
 (C) UHQFC (D) UHSDE
 (E) None of these

Directions—(Q. 10 to 11)

- (i) 'P + Q' means 'P is brother of Q'.
- (ii) 'P - Q' means 'Q is father of P'.
- (iii) 'P × Q' means 'Q is mother of P'.
- (iv) 'P ÷ Q' means 'P is sister of Q'.

10. Which of the following means M is maternal uncle of R ?
 (A) $R \times N + M$
 (B) $M + N \times R$
 (C) $M + N \times T + R$
 (D) Cannot be determined
 (E) None of these
11. Which of the following statements is not required to answer the above question ?
 (A) (i) only
 (B) (ii) only
 (C) Both (i) and (ii)
 (D) Either (i) or (ii)
 (E) All are required
12. How many meaningful English words can be made using the first, the fourth, the eighth and the eleventh letters of the word INTERMEDIATE using each only once in each word ?
 (A) None
 (B) One
 (C) Two
 (D) Three
 (E) More than three

Directions—(Q. 13 to 15) Answer the following questions based on the set of numbers given below—

738, 429, 156, 273, 894

13. Which of the following will be the last digit of the second highest number after the position of the digits in each number is reversed ?
 (A) 7 (B) 4
 (C) 1 (D) 2
 (E) 8
14. What will be the difference between the first digit of the highest and the lowest number after the position of the first two digits in each number is reversed ?
 (A) 7 (B) 6
 (C) 5 (D) 4
 (E) None of these
15. Which of the following will be the second digit of the third number from top when they

are arranged in descending order after the first digit in each number is changed to its next higher digit ?

- (A) 3 (B) 2
 (C) 7 (D) 5
 (E) 9

Directions—(Q. 16 to 20) Study the following arrangement carefully and answer the questions given below—

P I M R E \$ K 5 J # B 7 2 N I T 4 % 8 H U 9
 Q J V 6 W A 3 B D S

16. Which of the following is exactly in the middle between the eleventh element from the right end and the fifteenth element from the left end ?
 (A) { (B) %
 (C) H (D) I
 (E) None of these
17. How many such symbols are there in the above arrangement, each of which is immediately preceded by a number and immediately followed by a consonant ?
 (A) None
 (B) One
 (C) Two
 (D) Three
 (E) More than three
18. Four of the following five are alike in a certain way based on their position in the above arrangement and form a group. Which is the one that does not belong to that group ?
 (A) KJR (B) J96
 (C) H%Q (D) 48N
 (E) R\$1
19. What should come in place of the question mark (?) in the following series based on the above arrangement ?
 3DW, ★6Q, H9%, I42, ?
 (A) EKM
 (B) #75
 (C) B2J
 (D) IBK
 (E) None of these
20. How many such consonants are there in the above arrangement, each of which is immediately preceded by either a symbol or a

number but not immediately followed by letter ?

- (A) None (B) One
(C) Two (D) Three
(E) More than three

Directions—(Q. 21 to 25) In each of the questions below are given three statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

21. **Statements** : Some hotels are rivers. All rivers are jungles. Some jungles are towns.

Conclusions : I. Some towns are hotels.
II. Some towns are rivers.
III. Some hotels are jungles.
IV. Some jungles are rivers.

- (A) Only I and II follow
(B) Only III and IV follow
(C) Only I and III follow

- (C) Only I and III follow
(D) Only II and IV follow
(E) All follow

22. **Statements** : All trees are hills. Some hills are animals. All animals are birds.

Conclusions : I. Some birds are hills.
II. Some birds are trees.
III. Some animals are trees.
IV. No animals is tree.

- (A) Only I follows
(B) Only I and III follow
(C) Only I and IV follow
(D) Only either III or IV and follow
(E) None of these

23. **Statements** : Some tigers are lions. Some lions are rabbits. Some rabbits are horses.

Conclusions : I. Some tigers are horses.
II. Some rabbits are tigers.
III. Some horses are lions.
IV. All horses are rabbits.

- (A) None follows
(B) Only IV follows
(C) Only II and IV follow
(D) Only I and II follow
(E) All follow

24. **Statements** : All doors are roads. No road is fruit. Some flowers are doors.

Conclusions : I. Some fruits are doors.
II. Some fruits are flowers.
III. Some roads are flowers.
IV. No fruit is flower.

- (A) All follow
(B) Only either II and IV follows
(C) Only either II or IV and I follow
(D) Only either II or IV and III follow
(E) Only either II or III and IV follow

25. **Statements** : Some vehicles are windows. Some windows are trains. All trains are rains.

Conclusions : I. Some rains are windows.
II. Some trains are vehicles.

- III. Some rains are vehicles.
IV. Some windows are rains.

- (A) Only I follows
(B) Only IV follows
(C) Only I and IV follow
(D) Only II and III follow
(E) All follow

Directions—(Q. 26 to 30) Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and—

Give answer (A), if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.

Give answer (B), if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

Give answer (C), if the data either in statement I alone or in statement II alone are sufficient to answer the question.

Give answer (D), if the data given both the statements I and II together are not sufficient to answer the question, and

Give answer (E), if the data in both the statements I and II together are necessary to answer the question.

26. How is 'over' written in a certain code language ?

I. 'over and again' is written as 'pit na ja' in that code language.

II. 'boy and girl play' is written as 'ta ho pa ja' in that code language.

27. Who among P, Q, T, V and M is exactly in the middle when they are arranged in ascending order of their height ?

I. V is taller than Q but shorter than M.

II. T is taller than Q and M but shorter than P.

28. How is M related to K's mother ?

I. K's mother and P's mother are sisters.

II. M and Q's father is P's brother.

29. Towards which direction is Suresh facing now ?

I. If Suresh turns to his right and again

turns to his right, he will be facing North.

II. If Suresh walks some distance and turns left and again walks some distance, then his face will be towards left to Mohan who is facing South.

30. M, D, T and W are sitting around a circle facing at the center. Who is to the immediate left of D ?

I. M is between T and W and D is to the immediate right of W.

II. D is second to the left of M.

Directions—(Q. 31 to 35) In the following questions, the symbols @, ★, \$, # and % are used with the following meaning as illustrated below—

'P @ Q' means 'P is neither greater than nor equal to Q'.

'P # Q' means 'P is not smaller than Q'.

'P ★ Q' means 'P is not greater than Q'.

'P % Q' means 'P is neither smaller than nor greater than Q'.

'P \$ Q' means 'P is neither smaller than nor equal to Q'.

Now in each of the following questions assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true ?

Give answer (A), if only Conclusion I is true.

Give answer (B), if only Conclusion II is true.

Give answer (C), if either Conclusion I or II is true.

Give answer (D), if neither Conclusion I nor II is true.

Give answer (E), if both Conclusion I and II are true.

31. **Statements :** T % B, M ★ B, J # B

Conclusions : I. T % M

II. T % J

32. **Statements :** V # D, D ★ K, F \$ K

Conclusions : I. D @ F

II. V @ F

33. **Statements :** W # D, D % M, M ★ F

Conclusions : I. D @ F

II. F % D

34. **Statements :** H ★ R, R \$ N, N @ K

Conclusions : I. H @ K

II. K \$ R

35. **Statements :** M ★ J, K \$ J, K @ T

Conclusions : I. T \$ M

II. J @ T

Directions—(Q. 36 to 40) In making decisions about important questions, it is desirable to be able to distinguish between 'strong' arguments and 'weak' arguments. 'Strong' arguments are those which are both important and directly related to the question. 'Weak' arguments are those which are of minor importance and also may not be directly related to the question or may be related to a trivial aspect of the question.

Each question below is followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument.

Give answer (A), if only argument I is strong.

Give answer (B), if only argument II is strong.

Give answer (C), if either I or II is strong.

Give answer (D), if neither I nor II is strong.

Give answer (E), if both I and II are strong.

36. Should the opinion polls predicting outcome of election before the elections be banned in India ?

Arguments :

- I. Yes, this may affect the voters mind and may affect the outcome.
 - II. No, such polls are conducted all over the world.
37. Should individuals/Institutes having treasures of national significance like Noble prizes be handed over to central government for their safe custody ?

Arguments :

- I. Yes, the individuals or institutions do not have enough resources to protect them.
 - II. No, these are the property of the individuals/institutions who win them and should be in their custody.
38. Should there be reservation of jobs in the organizations in the private sector also as in the public sector undertakings in India ?

Arguments :

- I. Yes, this will help reduce the gap between the affluent and downtrodden in India.
- II. No, the private sector does not get any

government assistance and therefore they should not be saddled with such policies.

39. Should 'education' be brought under the control of the central government like defense ?

Arguments :

- I. No, education is a state subject and it should remain with the State.
- II. Yes, this is the only way to establish uniformity in growth of education across the States.

40. Should import duty on all the electronic goods be dispensed with ?

Arguments :

- I. No, this will considerably reduce the income of the government and will adversely affect the development activities.
- II. No, the local manufacturers will not be able to compete with the foreign manufacturers who are technologically far superior.

Directions—(Q. 41 to 45) Below is given a passage followed by several possible inferences which can be drawn from the facts stated in the passage. You have to examine each inference separately in the context of the passage and decide upon its degree of truth or falsity.

Mark answer (A), if the inference is 'definitely true', i.e., it properly follows from the statement of facts given.

Mark answer (B), if the inference is 'probably true', though not 'definitely true' in the light of the facts given.

Mark answer (C), if the 'data are inadequate', i.e. from the facts given you cannot say whether the inference is likely to be true or false.

Mark answer (D), if the inference is 'probably false', though not 'definitely false' in the light of the facts given.

Mark answer (E), if the inference is 'definitely false', i.e. it cannot possibly be drawn from the facts given or it contradicts the given facts.

Hope of a global recovery for the information technology industry are growing by the day. Overall economic data, especially from the United States and Japan, given justifiable cause for optimism. This is good news specifically for the

IT industry, whose progress is demonstrably linked to the general economic performance of national economies. The past three years period of recession or flat economic performance has not been without its benefits for India, as companies have sought a low-wage environment for their less skilled tasks. As a result, culture and thinking of multinational companies has changed and become more comfortable with a global search for the best solutions and service. This plays directly to the strengths of India's most famous international business offerings—offshore software development and business process outsourcing.

India did not have adequate skilled manpower to undertake software development requirements of multinational companies till a couple of years ago.

India does not provide its offshore services and Business Process Outsourcing Centres to countries other than USA and Japan.

India is likely to gain by providing skilled manpower at cheaper rate.

44. India's share in the software development sector has increased considerably during the last three years.
45. Major part of the software development work was carried out within the developed countries before the recent lull in economic development.

Directions—(Q. 46 to 50) Study the following information carefully and answer the questions given below—

A, B, C, D, F, G, H and K are eight villages in a taluka. They are located in such a way that villages B, G, K, H are at the four vertices of an imaginary rectangle and the remaining four villages are at the four vertices of another imaginary rectangle obtained by joining the midpoints of the earlier rectangle. K, H and F are on one of the shorter sides. And G, A and H are on one of the longer sides. D is not located exactly opposite of B. F is towards the left of K and G is towards the left of H. The populations of villages C and K are equal whereas those of villages B and G are also equal. The population of village D is the second highest. The population of village H is

more than that of village A and less than that of K. The population of village G is more than that of C. None of these pairs of villages is the highest populated.

46. Which of the following villages is exactly in between the villages G and F ?
- (A) C
(B) D
(C) A
(D) Data inadequate
(E) None of these
47. The total population of which of the following groups of villages will be the maximum ?
- (A) DBC
(B) BKH
(C) FDA
(D) FCA
(E) FDB

48. The population of how many villages is less than that of village G ?

(A) 2

(B) 3
(C) 4
(D) 5

(E) None of these

49. If an imaginary right angled triangle is drawn, which of the following villages will be at one of the vertices in addition to K and H ?

(A) C

(B) D
(C) C or D
(D) A

(E) None of these

50. The population of which of the following villages is the highest ?

(A) B
(B) F
(C) A
(D) G

(E) Data inadequate

Directions—(Q. 51 to 55) In each question below is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Give answer (A), if only Assumption I is implicit.

Give answer (B), if only Assumption II is implicit.

Give answer (C), if either I or II is implicit.

Give answer (D), if neither I nor II is implicit.

Give answer (E), if both I and II are implicit.

51. **Statement** : The government has decided to disinvest large chunk of its equity in select public sector undertakings for a better fiscal management.

- Assumptions :** I. The amount generated out of the disinvestment process may reduce substantially the mounting fiscal deficits.
II. There will be enough demand in the market for the shares of these undertakings.
52. **Statement :** The government has decided to reduce its subsidy on LPG, however the subsidy on kerosene remains unchanged.
- Assumptions :** I. Those people who buy LPG can afford to purchase LPG for a higher price.
II. Many people may stop buying LPG and instead use kerosene.
53. **Statement :** 'X' multinational consumer products manufacturing company has reduced price of all its products by ten per cent to augment its total profit.
- Assumptions :** I. There may be a huge rise in the sale of all its products.
II. The competitor companies may not reduce price of their products.
54. **Statement :** The railway authority has decided to introduce two additional super-fast trains between Cities 'A' and 'B' during the vacation time.
- Assumptions :** I. All the passengers who desire to travel during vacation time will get a train ticket.
II. All other modes of transport between cities 'A' and 'B' are already overstretched.
55. **Statement :** The district administration has issued a circular to all the farmers under its jurisdiction advising them for not using pesticides indiscriminately as it may pollute the ground water.
- Assumptions :** I. People may stop using ground water if the farmers continue to use pesticide indiscriminately.
II. Farmers may refrain from using pesticides indiscriminately.
- Directions—(Q. 56 to 60)** Study the following information carefully and answer the questions given below—
M, N, P, T, W and H are seven friends studied in three management institutes A, B and C. They had opted for one out of the three specializations Marketing, Finance and Personnel with atleast two of them in each specialization. The Marketing specialist from institute B earns the maximum. V studied in institute C with Personnel specialization and earns more than only M and R. K studied in institute A with Marketing and earns less than only T and H. W studied in institute C with Finance and earns more than V but less than K. H studied in institute A with Finance specialization. P, a Personnel specialist studied in institute B is not the least earner among them. N is the only Finance specialist from one of these institutes among them.
56. What is T's specialization ?
(A) Marketing
(B) Finance
(C) Personnel
(D) Data inadequate
(E) None of these
57. Whose income is the second highest among them ?
(A) T
(B) R
(C) P
(D) T or H
(E) None of these

58. How many of them earn more than V ?

- (A) Two
- (B) Three
- (C) Five
- (D) One
- (E) None of these

59. Which of the following combinations of institute-individual-specialization is **not correct** ?

- (A) A-K-Marketing
- (B) B-P-Personnel
- (C) C-W-Finance
- (D) A-P-Personnel
- (E) B-M-Finance

60. In which of the institutes did M study ?

- (A) A
- (B) B
- (C) C
- (D) B or C
- (E) Data inadequate

Directions—(Q. 61 to 65) Below in each question are given two statements (I) and (II). These statements may be either independent causes or may be effects of independent causes.

causes or may be effects of independent causes. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.

Mark answer (A), if statement (I) is the cause and statement (II) is its effect.

Mark answer (B), if statement (II) is the cause and statement (I) is its effect.

Mark answer (C), if statement (I) and (II) are independent causes.

Mark answer (D), if both the statements (I) and (II) are effects of independent causes.

Mark answer (E), if both the statements are effects of some common cause.

61. (I) India has surpassed the value of tea exports this year over all the earlier years due to an increase in demand for quality tea in the European market.

(II) There is an increase in demand of coffee in the domestic market during the last two years.

62. (I) The private medical colleges have increased the tuition fees in the current year by 200 per cent over the last year's fees to meet the expenses.

(II) The Govt. Medical Colleges have not increased their fees in spite of price escalation.

63. (I) The university authority has decided to conduct all terminal examinations in March/April every year to enable them to declare results in time.

(II) There has been considerable delay in declaring results in the past due to shortage of teachers evaluating the answer papers of the examination conducted by the university.

64. (I) The prices of all the petroleum products have increased substantially in the recent past. A hike announced a week ago due to increase in price of crude oil in the international market.

(II) Oil producing countries have increased the output of crude oil by ten per cent for the last one month.

65. (I) Most part of both the arterial in the city

(II) Most part of both the arterial in the city are waterlogged and has brought vehicular movement to halt.

(II) There has been heavy shower in the city area during the past thirty-six-hours.

Directions—(Q. 66 to 70) Study the following information carefully and answer the given questions—

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input : goal 63 57 home five task 82 17.

Step I. 82 goal 63 57 home five task 17.

Step II. 82 five goal 63 57 home task 17.

Step III. 82 five 63 goal 57 home task 17

Step IV. 82 five 63 goal 57 home 17 task.

And step IV is the last output.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

66. Input : world 23 new 47 major 13 62 desk
Which of the following will be step V ?
(A) 62 desk 47 world 23 new major 13
(B) 62 desk 47 major world 23 new 13
(C) 62 desk 47 major 23 world new 13
(D) 62 desk 47 major 23 new world 13
(E) None of these
67. Input : host 15 32 page 43 over mother 92
Which of the following steps will be the last but one ?
(A) IV
(B) V
(C) VI
(D) VII
(E) None of these
68. Step III of an input is : 75 archive 59 queen task 17 32 goal
Which of the following is definitely the input ?
(A) archive 59 75 queen task 17 32 goal
(B) archive 59 queen 75 17 task 32 goal
(C) 59 75 archive queen task 17 32 goal
(D) Cannot be determined

- (E) None of these
69. Step III of an input is : 81 boat 73 wheel spike dance 32 59
How many more steps are required to complete the rearrangement ?
(A) Two
(B) Three
(C) Four
(D) Five
(E) None of these
70. Step II of an input is : 67 cat 12 25 dog fight man 42
Which of the following will be step V ?
(A) 67 cat 42 12 25 dog fight man
(B) 67 cat 42 dog 12 25 fight man
(C) 67 cat 42 dog 25 12 fight man
(D) 67 cat 42 dog 25 fight 12 man
(E) None of these

Directions—(Q. 71 to 80) Study the following information carefully and answer the questions given below—

Following are the criteria for selecting Marketing Manager in an organization—

The candidate must—

(i) Be not less than 21 years and not more than 30 years old as on 1. 7. 2004.

(ii) Have secured atleast 50 per cent marks in graduation.

(iii) Have obtained a post graduate degree in Marketing Management.

(iv) Have work experience of at least two years after post graduation.

If a candidate fulfills all other criteria except at—

(a) (i) above, but have work experience of more than five years as Assistant Marketing Manager, his/her case is to be referred to General Manager-Marketing.

(b) (iv) above, but have obtained a Ph.D. degree, his/her case is to be referred to the Managing Director.

In each question below, the details of a

candidate is given. You have to read the information provided in each case and decide considering the above criteria and the information provided. Your decision should be one of the following—

Mark answer (A), if the candidate is not to be selected.

Mark answer (B), if the data is not adequate to arrive at a decision.

Mark answer (C), if the case is to be referred to Managing Director.

Mark answer (D), if the candidate is to be selected.

Mark answer (E), if the case is to be referred to General Manager-Marketing.

Now read the information provided in each question and take decision. All these cases are given to you as on 1. 7. 2004. You are not to assume anything other than the information provided in each case.

71. Anubha Bhonsale has secured 62 per cent marks in graduation. She has been working as assistant Marketing Manager for the past seven years after completing her post-graduation in Marketing Management. She was born on 12th November 1967.
72. Mohd. Abdul has secured 70 per cent marks in graduation. He has been working for the last six years as Assistant Marketing Manager. He was born on 19th September 1980.
73. Nutan Bhagawat has been working as Assistant Marketing Manager for the last six years after completing her post graduation degree in marketing Management. She has secured 65 per cent marks in graduation. She was born on 23th April, 1979.
74. Avinash Singh is a post graduate in Marketing Management after completing his degree in Mechanical Engineering. He has been working for the last three years after completing his post-graduation in Marketing Management. He was born on 7th April, 1980.
-
75. Prakash Javdekar has been working for the last seven years as Assistant Marketing Manager. He has secured 63 per cent marks both in graduation and in post graduation. He was born on 20th March, 1976.
76. Karan Malhotra has secured first class in both graduation and post-graduation in Marketing Management. He has also completed his Ph.D. in July 2003 and has been working since then in an organization as assistant Marketing manager. He was born on 16th April, 1981.
77. Pranab Ghosh has secured 60 per cent marks in graduation and he has secured 1st class in his post graduation degree in Marketing Management. He was born on 15th June 1980. He has been working for the last three years after his post graduation.
78. Atul Singhania was born on 24th August, 1978. He has been working for the last four years. He has secured 55 per cent marks in

graduation and 60 per cent marks in post graduation in Marketing Management.

79. Purna Chowdhury has secured 75 per cent marks both in graduation and post graduation in Marketing Management. She has been working for the last three years. She was born on 21st October, 1980. She has also completed the Ph.D. while working on the job.
80. Samir Khandelwal has secured 70 per cent marks in graduation. He has been working for the last three years after completing his post graduation in Marketing Management. He was born on 13th July, 1983.

Answers

- | | | | | |
|---------|---------|---------|---------|---------|
| 1. (D) | 2. (D) | 3. (E) | 4. (B) | 5. (D) |
| 6. (A) | 7. (C) | 8. (B) | 9. (D) | 10. (E) |
| 11. (B) | 12. (E) | 13. (A) | 14. (A) | 15. (B) |
| 16. (A) | 17. (A) | 18. (E) | 19. (B) | 20. (E) |
| 21. (B) | 22. (A) | 23. (A) | 24. (B) | 25. (C) |
| 26. (D) | 27. (E) | 28. (E) | 29. (A) | 30. (A) |
| 31. (E) | 32. (A) | 33. (C) | 34. (D) | 35. (E) |
| 36. (A) | 37. (B) | 38. (B) | 39. (B) | 40. (A) |
| 41. (C) | 42. (E) | 43. (A) | 44. (B) | 45. (A) |
| 46. (C) | 47. (E) | 48. (C) | 49. (C) | 50. (D) |
| 51. (A) | 52. (B) | 53. (A) | 54. (B) | 55. (B) |
| 56. (A) | 57. (C) | 58. (E) | 59. (D) | 60. (B) |
| 61. (D) | 62. (E) | 63. (B) | 64. (A) | 65. (B) |
| 66. (C) | 67. (A) | 68. (D) | 69. (C) | 70. (C) |
| 71. (C) | 72. (B) | 73. (D) | 74. (B) | 75. (D) |
| 76. (E) | 77. (D) | 78. (D) | 79. (D) | 80. (A) |

Hints

1. \therefore BRING = 23514
 And NIGHT = 15478
 \therefore T = 8
 R = 3
 I = 5
 And G = 4
 \therefore TRIG = 8354

2. All the rest are used for writing.
3. First and last letters are removed in each next word.

In place of ? It should be PENDICU.

4. $3^2 + 1 = 10$
 $11^2 - 1 = 120$
 $7^2 + 1 = 50$
 $17^2 + 1 = 290$
 $13^2 + 1 = 170$

5. C R E D I B L E
 CE, BD and DE

6. Meena's grand father's only child is her father and the son of father is brother of Meena.

7. All the rest are pet animals.

8. $\frac{12 + P^*}{\text{From left}} \quad R \quad \overset{\dots\dots\dots}{\underset{\text{From right}}{Q}} + 8$
 \therefore No. of children between P and R
 $\quad = 40 - (13 + 9 + 4)$
 $\quad \quad \quad - 14$
 $\quad = 14$

9. As, $G \xrightarrow{+1} H$

$$R \xrightarrow{-1} Q$$
$$O \xrightarrow{+1} P$$
$$U \xrightarrow{-1} T$$
$$N \xrightarrow{+1} O$$
$$D \xrightarrow{-1} C$$
$$T \xrightarrow{+1} \boxed{U}$$

Similarly,

T	$\xrightarrow{+1}$	U
I	$\xrightarrow{-1}$	H
R	$\xrightarrow{+1}$	S
E	$\xrightarrow{-1}$	D
D	$\xrightarrow{+1}$	E

$$I \xrightarrow{-1} I$$
$$R \xrightarrow{+1} S$$
$$E \xrightarrow{-1} I$$
$$D \xrightarrow{+1} \boxed{I}$$

11. Only (ii) is not used. Hence (ii) is not required.

12. The meaningful words can be made as under—

EDIT, TIED, DIET and TIDE DITE.

13. The numbers after reversing the digits are—
837, 924, 651, 372, 498.

∴ Second highest number

$$= 837$$

\therefore The last digit of this number = 7.

14. ~~Each~~ numbers after reversing the first two digits are—

378, 249, 516, 723 and 984

The highest and the lowest numbers are—984 and 249.

\therefore Required difference = $9 - 2 = 7$

15. 229, 529, 256, 373 and 994 (Numbers after changing the first digit to its next number)

Third number from the top when arranged in descending is 529.

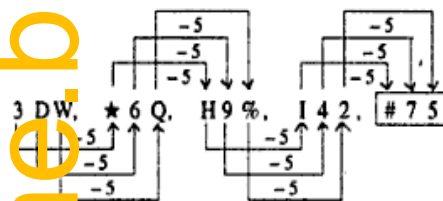
The second digit is 2.

16. 15th element from the right is Q and 15th element from the left and is I. Exactly in the middle between Q and I is 8.

18. $\begin{array}{ccccccc} K & J & R & J & 9 & 6 & H & \% & Q \\ \hline \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ -2 & -5 & -2 & +5 & -2 & +5 & -2 & +5 \end{array}$

$\begin{array}{cccc} 4 & 8 & N & R & \$ & 1 \\ \hline \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ +2 & -5 & +2 & -4 \end{array}$

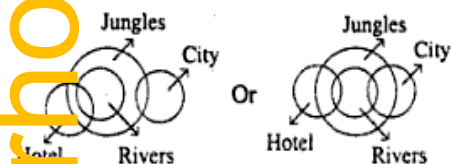
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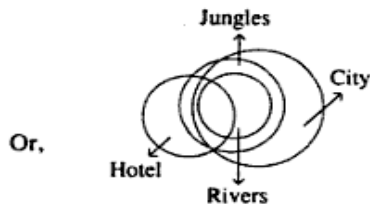


20. Vowelled consonants are printed boldly in the following arrangements.

P1MRESK5J#B72NIT4%8H
J9QJ★V6WA3BDS

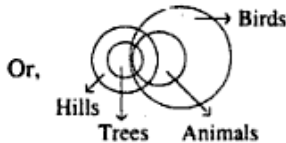
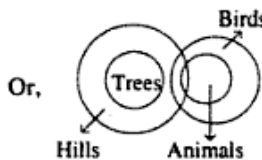
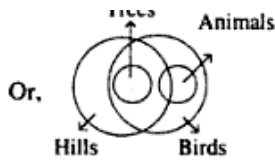
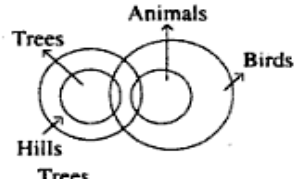
21.





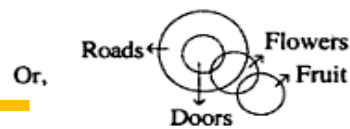
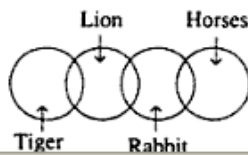
∴ 'Some hotels are jungles' and 'some jungles are rivers' follow.
Hence only III and IV follows.

22.

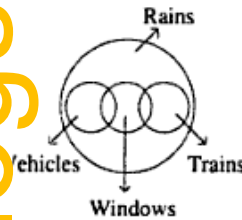
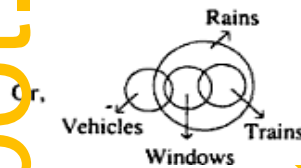
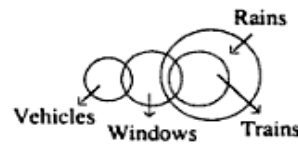


∴ 'Some birds are hills' follows which only I follows.

23.



∴ Only either (I) and (IV) follows.



Hence some windows are rains and some rains are windows.

∴ Only I and (IV) follows.

26. From I. pit na ja → over and again

From II. ta ho pa ja → boy and girl play

ja → and

∴ For over either pit or na.

Hence I and II together are sufficient to answer the question.

27. From I. $M > V > Q$ From II. $P > T > Q$ and M.∴ From I and II $P > T > M > V > Q$.

∴ With I and II together M is exactly in the middle.

24. ∴ None follows.



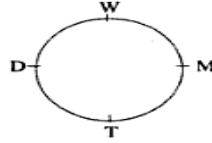
28. From II. P is the aunt of M and Q's.
From I. K's mother is the sister of P's mother.
∴ From I and II together K's mother is the grandmother of M.
29. From I. When Suresh turns to his right and again turns to his right, then he will be facing

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North. Hence in the beginning Suresh face was towards South. Hence we get the answer from I and we can not get answer from II.

30. From I. D is immediate right to W.



∴ W is the immediate left to D.

Hence answer of the question is obtained from I only.

31. $T \% B \rightarrow T = B$; $M \star B \rightarrow M \leq B$; $J \# B \rightarrow J \geq B$.

$$\therefore T = B \geq M$$

$$\text{And } B \leq J$$

From I. $T \% M \rightarrow T = M$, not true

From II. $T \% J \rightarrow T = J$, not true

32. $V \# D \rightarrow V \geq D$; $D \star D \rightarrow D \leq K$; $F \S K \rightarrow F > K$

$$\therefore V \geq D \leq K < F$$

From I. $D @ F \rightarrow D < F$ true

From II. $V @ F \rightarrow V < F$ not true.

33. $W \# D \rightarrow W \geq D$; $D \% M \rightarrow D = M$; $M \star F \rightarrow M \leq F$

$$\therefore W \geq D = M \leq F$$

From I. $D @ F \rightarrow D < F$ not true

From II. $F \% D \rightarrow F = D$ not true

∴ Either $D < F$ or $D = F$.

34. $H \star R \rightarrow H \leq R$; $R \S N \rightarrow R > N$; $N @ K \rightarrow N < K$

$$\therefore H \leq R > N < K$$

37. Nobel prize is in the form of award, so it is their fundamental right. So it should be in their custody. Hence argument II is strong.

38. Nothing so, it will not reduce the gap between the affluent and downtrodden. Besides these, the private sector does not get any government help so they should not be saddled with such policies. Hence argument II is strong.

39. If education is brought under the control of Central Government, there will be uniformity

in growth of education across the States. So argument II is strong.

40. If import duty on all the electronic goods is dispensed then there will be reduction in income of the government and it will adversely affect the developmental activities. So argument I is strong.

41. Because nothing is said about man power in passage.

42. Because India's most famous international business offerings are offshore software development and business process outsourcing.

43. Because companies have sought out a low wage environment for their less skilled tasks.

44. Because it is mentioned in passage that in last 3 years economic growth has been increased in benefited India and I.T. Industry has been connected to the economic growth.

45. Because IT industry is growing day-by-day especially from U.S. and Japan.

For Q. 46 to 50

$$F > D > B = G > C = K > H > A$$

From I. $H @ K \rightarrow H < K$ not true

From II. $K \$ R \rightarrow K > R$ not true

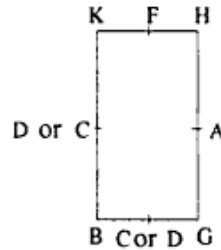
35. $M \star J \rightarrow M \leq J$; $K \$ J \rightarrow K > J$ and $K @ T \rightarrow K < T$

$\therefore M \leq J < K < T$

From I. $T \$ M \rightarrow T > M$ True

From II. $J @ T \rightarrow J < T$ True

36. Predicting outcome of election before election definitely affect the voters mind and outcome. Hence argument I is strong.



51. The amount generated by disinvestment process will definitely reduce substantially the

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mounting fiscal deficits. Hence assumption I is implicit.

52. On reducing its subsidy on L.P.G. by Government and reaming unchanged on kerosene, many people will definite stop buying L.P.G. and the kerosene. Hence assumption II is

every year. Hence the statement (II) is the cause and (I) is the effect.

64. Due to the increase in prices; oil producing countries have increase 10% production of crude oil. Hence (I) is the cause and (II) is the effect.

implicit.

53. On reducing the price of all its products by the company 'X', definitely these will be a huge rise in the sale. Hence there will be a profit to the company. So the assumption I is implicit.

65. Due to heavy shower in the city during the past 30 hours, most part of the roads in the city are water logged and vehicle movement is stopped. Hence (II) is the cause and (I) is the effect.

54. During the vacation time people generally like to travel. As already all other modes of transport between cities A and B are overstretched, so the railway authority has decided to introduce two additional super fast trains between the cities A and B. Hence assumption II is implicit.

66. Input : World 23 new 47 major 13 62 desk.

Step I. 62 world 23 new 47 major 13 desk.

Step II. 62 desk world 23 new 47 major 13.

Step III. 62 desk 47 world 23 new major 13.

Step IV. 62 desk 47 major world 23 new 13.

Step V. 62 desk 47 major 23 world new 13.

55. As the farmers are bound to obey the circular issued by the district administration. So they will refrain from using pesticides indiscriminately.

67. Input : host 15 32 page 43 over mother 92.

Step I. 92 host 15 32 page 43 over mother.

Step II. 92 host 43 15 32 page over mother.

Step III. 92 host 43 mother 15 32 page over.

Step IV. 92 host 43 mother 32 15 page over.

For Q. 56 to 60

Friends	Management Institute	Subjects
M	B	Finance
V	C	Personnel
K	A	Marketing
P	B	Personnel
T	B	Marketing
W	C	Finance
H	A	Finance

On the basis of earnings the order is as under—

$T > H > K > W > V > P > M$

61. Both the statements (I) and (II) are effects of independent cause.
62. Both the statements (I) and (II) are effects of dearness.
63. Due to delay in declaring results in the past, the university authority has decided to conduct all terminal examinations in March/April
73. Nutan Bhagawat fulfils all the criteria so she is to be selected.
74. Nothing is said about his % of marks in graduation so data is inadequate.
75. Prakash Javdekar fulfils all the criteria so he is to be selected.
76. Karan Malhotra has no experience of 2 years but he has completed his Ph. D. So his case is to be referred to General Manager-Marketing.
- Step V. 92 host 43 mother 32 over 15 page.
69. Step III. 81 boat 73 wheel spike dancer 32 59.
- Step IV. 81 boat 73 dancer wheel spike 32 59.
- Step V. 81 boat 73 dancer 59 wheel spike 32.
- Step VI. 81 boat 73 dancer 59 spike wheel 32.
- Step VII. 81 boat 73 dancer 59 spike 32 wheel.
70. Step II. 67 cat 12 25 dog fight man 42.
- Step III. 67 cat 42 12 25 dog fight man.
- Step IV. 67 cat 42 dog 12 25 fight man.
- Step V. 67 cat 42 dog 25 12 fight man.
71. Anuona Bhonsale's age is more but she has experience for the last seven years so her case should be referred to Managing Direction.
72. Nothing is said about his post graduation so data is inadequate.
77. Prash Ghosh fulfils all the criteria so he is to be selected.
78. Anur Singhania fulfils all the criteria so he is to be selected.
79. Purna Chowdhary fulfils all the criteria so he is to be selected.
80. Sonu Khandelwal's age is less than 21 years so he is not to be selected.