

Chhattisgarh Public Service Commission

Chhattisgarh



Set - 3

MATHS

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**SSC CGL Mains
maths score
200 out of 200**



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If $N = 7^{95} - 3^{58}$, then the digit at the unit place of N is

$N = 7^{95} - 3^{58}$, तब N पर

(a) 3

(b) 4

(c) 6

(d) 7

Average of five consecutive odd numbers A, B, C, D and E is 41. The product of A and E will be

□□□□ सतत □□□□ □□□□□□□□ A, B, C, D और □□ और 41 □□□ A और □□
□□□□□□ □□□□ :

(a) 1977

(b) 1517

(c) 1665

(d) 1591

Sunil bought two items in rs 1,350. *He* sold one item at 6% loss and another item at 7.5% profit. This deal finally ends with no profit no loss. Purchase price of the two items are respectively

□□□□□ □□ 1,350 □□□ □□ □□□□□□□□ □□□□ □□□□ । □□□□ एक□□□□□ □□
6% □□□□ पर □□□□ □□□□□□ □□ 7.5% □□□□ पर □□□□ । इस□□□□ □□□□ न
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□□□□

- (a) 850, 775
- (b) 825, 725
- (c) 750, 600
- (d) 775, 650

How many integers between 999 and 4000 (including both) can be formed, using the digits 0, 1, 2, 3, 4 if repetition of digits is allowed ?

999 और 4000 (),
 0,1, 2,3 व 4
 ?

- (a) 325
- (b) 376
- (c) 425
- (d) 526

□□□ और □□□□ □□ **1** □□□□□□ □□□□□□ □□□, **20%** □□□□ □□□ □□□□□

□□□ और □□□□ □□□□ □□□ □□□□□□ □□ □□□□□□ □□□ □□□□□ **10%** □□

□□□ ?

- (a) 2 kg
(b) 1.5 kg
(c) 1 kg
(d) 0.5 kg

Pal has some hens and some goats. If all heads of animals are 43 and feets are 142 , then how many hens Pal does have ?

[illegible]

- (a) 28
- (b) 21
- (c) 15
- (d) Cannot be determined.

In a row, Pramod is 7th from the left and Prakash is 9th from the right. Both of them interchange their positions. Pramod becomes 11th from the left. How many people are there in the row?

□□□□ □□□□□□ □□□, □□□□□□ □□□□□ □□ **7** □□□ □□
 □□□ □□□□□□, □□□□□ □□ **9**□□□ □□ | □□□□□ □□□□ □□□□□□□□□□
 □□□□□□ **बदल**□□□□ □□□□ □□□□□ **द** □□□□□ □□ **11** □□□ □□ □□□□ □□□□
 □□□□□□ □□□ □□□ □□□□□ □□□ □□□ ?

- (a) 17 (b) 18 (c) 19 (d) 20

If n and p both are odd numbers, then which will be even number of the following numbers?

□□□ n और p □□□□□ □□□□ □□□□□□□□□□ □□□, □□ □□□□□□□□□□□
 □□□□□□□□ □□□ □□ □□□ □□ □□□□□□ **सम**□□□□?

- (a) np (b) $n + p$ (c) $np + 2$ (d) $n + p + 1$

The Pie chart given below represents the domestic expenditure of a family in percent. Study the chart to answer these question if total monthly income of the family is rs 33,650 .

A :Food

B :House rent

C: Entertainment

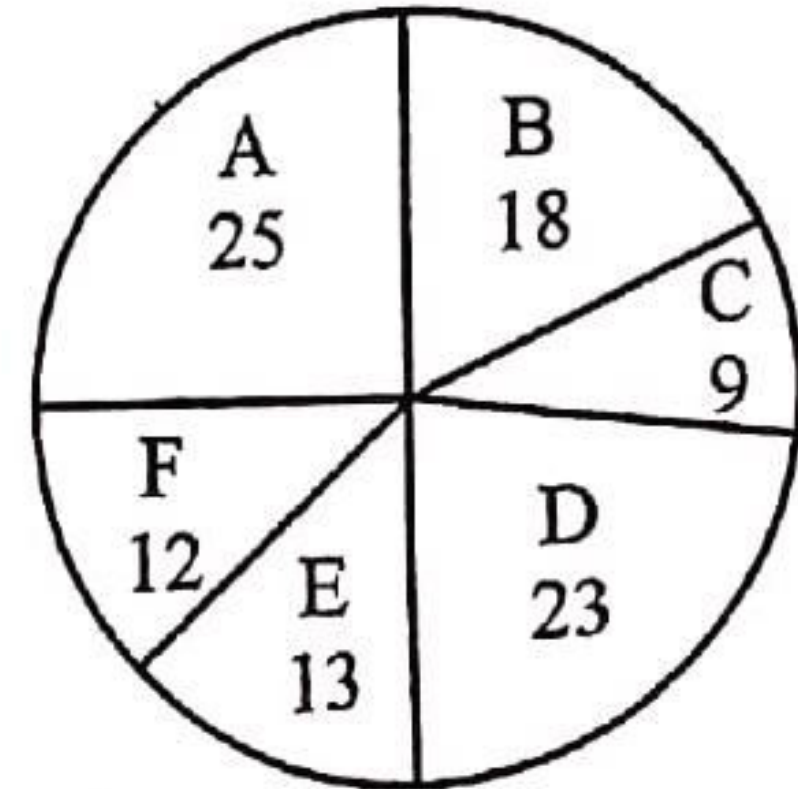
D: Education and maintenance of children

E: Medical and miscellaneous

F: Provident Fund

The total amount per month that the family spends on food and entertainment combined together is :

□□□□□□ □□□□□□ □□□□ □□□□□□□□
 □□□ □□□□□□□ □□□ □□ □□□□□ □□□ □□□□
 □□ गई □□□ □□□□ □□ :



- (a) 12, 443 (b) 12,315 (c) 11,432 (d) 11,441

The Pie chart given below represents the domestic expenditure of a family in percent. Study the chart to answer these question if total monthly income of the family is rs 33,650 .

A :Food

B :House rent

C: Entertainment

D: Education and maintenance of children

E: Medical and miscellaneous

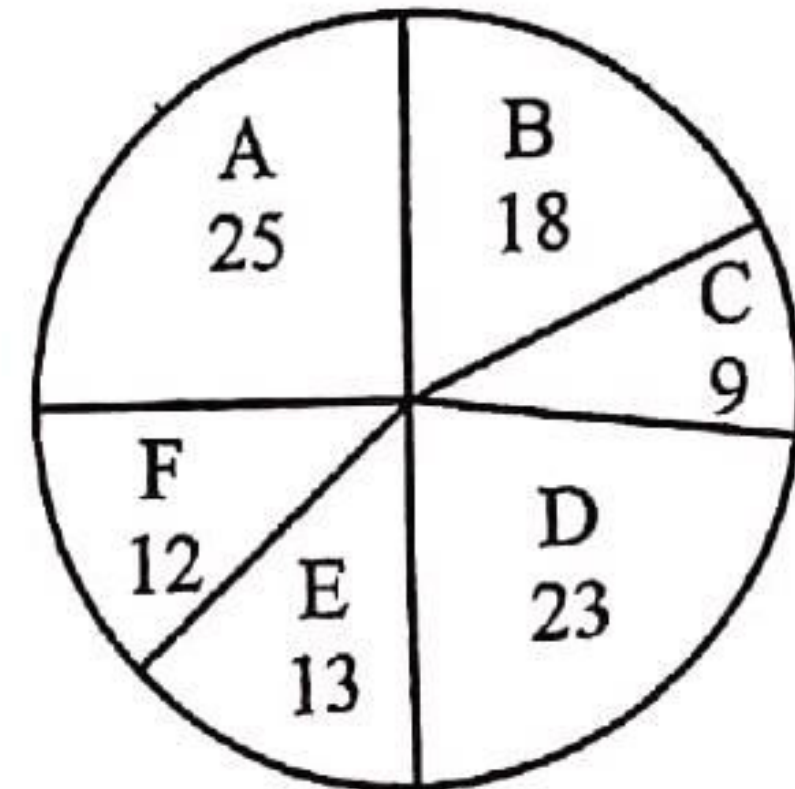
F: Provident Fund

The house rent per month is

□□□□□ □□□ घर □□ □□□□□□ □□

(a) 6, 000 (b) 6, 152

(c) 6,057 (d) 76,048



Present age of mother is three times the present age of daughter. After 12 years mother's age will be twice of daughter's age. What is the present age of daughter?

[illegible]

- (a) 18 years
(b) 16 years
(c) 14 years
(d) 12 years

6 boys and 2 girls can do a work in 5 days, while 13 boys and 7 girls do the same work in 2 days. Then 7 boys and 3 girls can complete the same work in

6 2 5 कर
 , 13 7 2
कर , 7 3 कर

- (a) 4 days (b) $4\frac{1}{6}$ days (c) 6 days (d) $6\frac{1}{4}$ days

What is the value of $\frac{P+Q}{P-Q}$ if $\frac{P}{Q} = 7$? / $\frac{P}{Q} = 7$ तब $\frac{P+Q}{P-Q}$

- (a) 1/3 (b) 2/3 (c) 4/3 (d) 7/8

A monkey climbs a pole of height 30 metres. In the first minute, he climbs 15 metres but in the second minute slips down 12 metres. The process continues till he reaches on the top of the pole. Time required to reach on the top of the pole is

एक 30 पर । वह 15 12 तक समय

- (a) 10 minutes
- (b) 11 minutes
- (c) 12 minutes
- (d) None of these