



SSC CGL (Tier - 1) Online Exam Paper - 2016 "held on 2 September 2016" Morning Shift (Quantitative Aptitude)

EXAM DATE : 2-September-2016

EXAM START TIME : 10:00:00

EXAM NAME : SSC Examination 2016

Question 51. If 20 men working 8 hours per day can complete a piece of work in 21 days. How many hours per day must 48 men work to complete the same job in 7 days?

Options:

- 1) 12
- 2) 20
- 3) 10
- 4) 15

Correct Answer: 10

Question 52.

ABCD is a cyclic quadrilateral. $\angle DBA = 50^\circ$ and $\angle ADB = 33^\circ$. Then the measure of $\angle BCD$ is

Options:

- 1) 83°
- 2) 80°
- 3) 75°
- 4) 60°

Correct Answer: 83°

Question 53. A shop keeper earns a profit of 12% on selling a book at 10% discount on the printed price. The ratio of cost price to the printed price of the book is

Options:

- 1) 45:56
- 2) 50: 61
- 3) 99: 125
- 4) None of these

Correct Answer: 45:56

Question 54.The number of pupils of a class is 55. The ratio of the number of male pupils to the number of female pupils is 5: 6. The number of female pupils is

Options:

- 1) 11
- 2) 25
- 3) 30
- 4) 35

Correct Answer: 30

Question 55.5% more is gained by selling a watch for Rs. 350 than by selling it for Rs. 340. The cost price of the watch is

Options:

- 1) Rs. 110
- 2) Rs. 140
- 3) Rs. 200
- 4) Rs. 250

Correct Answer: Rs. 200

Question 56.If 60% of the students in a school are boys and number of girls is 812, how many boys are there in the school?

Options:

- 1) 1128
- 2) 1218
- 3) 1821
- 4) 1281

Correct Answer: 1218

Question 57.It takes eight hours for a 600 km journey, if 120 km is done by train and the rest by car. It takes 20 minutes more, if 200 km is done by train and the rest by car. The ratio of the speed of the train to that of the car is:

Options:

- 1) 3:5
- 2) 3:4
- 3) 4: 3
- 4) 4: 5

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Correct Answer: 3:4

Question 58.

If $a + \frac{1}{a} = 1$, then the value of $\frac{a^2 - a + 1}{a^2 + a + 1}$ is ($a \neq 0$)

Options:

- 1) 1
- 2) -1
- 3) 0
- 4) 2

Correct Answer: 0

Question 59. If $m + n = 1$, then the value of $m^3 + n^3 + 3mn$ is equal to

Options:

- 1) 0
- 2) 1
- 3) 2
- 4) 3

Correct Answer: 1

Question 60. The maximum number of common tangents that can be drawn to two disjoint circles is

Options:

- 1) 1
- 2) 2
- 3) 4
- 4) Infinitely many

Correct Answer: 4

Question 61. In figure, $DE \parallel BC$. If $DE = 3$ cm, $BC = 6$ cm and area of $\triangle ADE = 15$ sq cm, then the area of $\triangle ABC$ is



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