

Quant Mega Quiz for SSC Tier-1

Q1. The ratio of two numbers is 5 : 11. If both numbers are increased by 10, the ratio becomes 7 : 13. What is the sum of the two numbers?

- (a) 80
- (b) 32
- (c) 48
- (d) 160

Q2. The total surface area of a hemisphere is 462 cm^2 . Find its diameter (in cm).

- (a) 7
- (b) 28
- (c) 21
- (d) 14

Q3. Selling price of an article is Rs 2397 and discount offered is 15%. What is the marked price (in Rs)?

- (a) 2756.5
- (b) 2856.6
- (c) 2740
- (d) 2820

Q4.

If $3\sqrt{2} + \sqrt{18} + \sqrt{50} = 15.55$, then what is the value of $\sqrt{32} + \sqrt{72}$?

- (a) 13.22
- (b) 10.83
- (c) 14.13
- (d) 16.54

Q5. What is the value of $(\sin 60^\circ - 2/\sqrt{3})$?

- (a) $-1/2\sqrt{3}$
- (b) $-1/2$
- (c) $1/\sqrt{3}$
- (d) $(1-2\sqrt{3})/2$



12 Months Subscription

SSC

MAHA PACK

Live Class, Video Course,
Test Series, eBooks

Bilingual (with eBooks)

Q6. If $3P = 5Q = 15R$, then what is $P : Q : R$?

- (a) 5 : 3 : 4
- (b) 5 : 3 : 1
- (c) 3 : 5 : 15
- (d) 15 : 5 : 3

Q7. If Rima has 4 more coins than Lima, Lima has 1 more coin than Bani and Bani has 1 more coin than Hina. Finally Hina has 4 more coins than Amy. Then minimum number of coins that must be transferred if all of them wish to have an equal number of coins:

- (a) 5
- (b) 6
- (c) 7
- (d) none of these

Q8. Which one among $\sqrt{10} + \sqrt{4}$, $\sqrt{11} + \sqrt{3}$, $\sqrt{7} + \sqrt{7}$ is the smallest number?

- (a) $\sqrt{10} + \sqrt{4}$
- (b) $\sqrt{11} + \sqrt{3}$
- (c) $\sqrt{7} + \sqrt{7}$
- (d) All are equal

Q9. What is the smallest value that must be added to 709, so that the resultant is a perfect square?

- (a) 8
- (b) 12
- (c) 20
- (d) 32



Q10. A milk man purchases the milk at Rs 20/liter and sells it at Rs 22/ liter. He mixes 2 liters of water with every 8 liters of pure milk. What is his percent profit?

- (a) 37.5%
- (b) 35%
- (c) 25%
- (d) 32.75%

Q11. What is the area of the triangle formed by the Points $(-5, 7)$, $(4, -1)$ and $(4, -1)$?

- (a) 255
- (b) 362
- (c) 162
- (d) None of these

Q12. Find the remainder when $f(x) = 27x^3 - 45x^2 + 9x + 12$ is divided by $g(x) = x - \frac{1}{3}$

- (a) 3
- (b) 11
- (c) -12
- (d) 14

Q13. B and C are equally efficient, but the efficiency of A is half of each B and C. A and B started a work and 3 days later C joined them. If A alone can do the work in 14 days, then in how many more days the work will be completed?

- (a) 1
- (b) 2
- (c) 3
- (d) 4.5

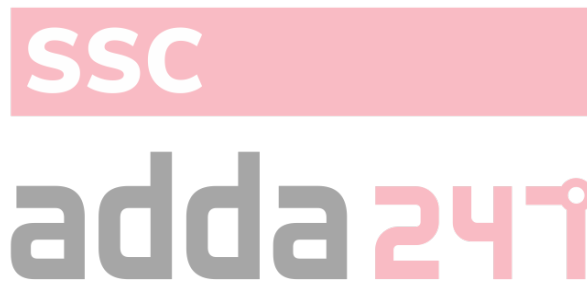
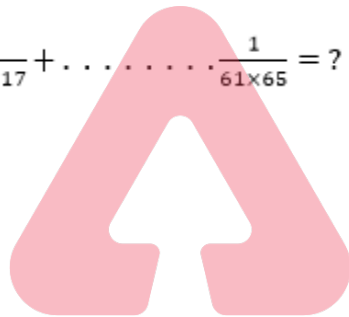
Q14. The traffic lights at three different road crossings change after 24 s, 36 s and 54 s, respectively. If they all change simultaneously at 10 : 15 : 00 am, then at what time will they again change simultaneously?

- (a) 10 : 16 : 54 am
- (b) 10 : 18 : 36 am
- (c) 10 : 17 : 02 am
- (d) 10 : 22 : 12 am

Q15.

$$\frac{1}{5 \times 9} + \frac{1}{9 \times 13} + \frac{1}{13 \times 17} + \dots + \frac{1}{61 \times 65} = ?$$

- (a) 4/45
- (b) 3/65
- (c) 2/35
- (d) 3/35



Q16. Find the value of $5.\overline{12} + 3.\overline{21} + 4.\overline{31} = ?$

- (a) $12\frac{64}{99}$
- (b) $12\frac{74}{99}$
- (c) $12\frac{77}{99}$
- (d) $12\frac{84}{99}$

Q17. Rohit invested some amount at the rate of 6% p. a. and at the end of 3 years he got Rs. 8730 simple interest. How much compound interest he will get on same amount and same rate of interest after 2 years.

- (a) Rs. 5820
- (b) Rs. 5949.60
- (c) Rs. 5900
- (d) Rs. 5994.60

TEST SERIES

Bilingual



SSC CGL TIER-II

PRIME

59 Total Tests | eBooks

Q18. The difference between compound interest and simple interest at the same rate Rs. 5000 for 2 years is Rs. 72. The rate of interest per annum is

- (a) 6%
- (b) 8%
- (c) 10%
- (d) 12%

Q19. In a group of buffaloes and ducks, the number of legs are 24 more than twice the number of heads. What is the number of buffaloes in the group?

- (a) 6
- (b) 8
- (c) 10
- (d) 12

Q20. If a and b are positive integers, such that $a^b = 125$, then $(a - b)^{a+b-4} = ?$

- (a) 16
- (b) 25
- (c) 28
- (d) 30

Q21. A man spends $28\frac{4}{7}\%$ on food, $16\frac{2}{3}\%$ of the remaining on house rent and 50% of the remaining on travelling. If he is left with 2500 Rs. Then find how much money was with him?

- (a) 8700 Rs.
- (b) 8400 Rs.
- (c) 8500 Rs.
- (d) 8100 Rs.

Q22. In a national survey, voter of national party A in 2011 is 2.5 lakh. In 2012 the voter of National Party A increases by 60%. If in 2012 the voters of National Party B is $87\frac{4}{8}\%$ of voter of National Party A and there is an increase of 40% in the voters of National Party B from the year 2011. Then find the number of voters of National Party B in 2011?

- (a) 1.75 lakh
- (b) 2.5 lakh
- (c) 3 lakh
- (d) 2.75 lakh

Q23. In a class test 68% passed in a class test. Out of these (passed in class test) only 85% passed in half yearly test. Out of those who did not passed in class test, 81% passed in half yearly exam. Find the percentage of students passed in half yearly exam?

- (a) 82.17%
- (b) 83.91%
- (c) 83.72%
- (d) 85%

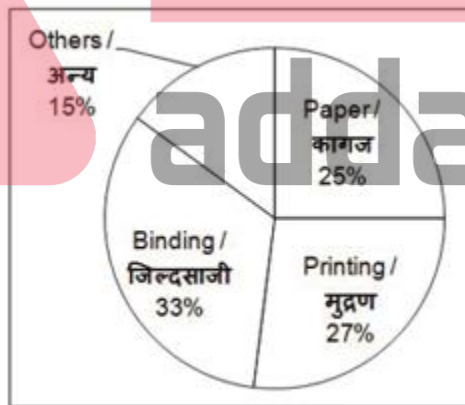
Q24. Income of A is $128\frac{4}{7}\%$ of income of B and income of C is 120% of income of A. If the total income of all the three is 80400, then find the sum of income of A and B?

- (a) 48000
- (b) 58000
- (c) 52000
- (d) None of these

Q25. In CSAT examination there are 4 subject each containing 25 questions. If a student answered 80% of Mathematics, 60% of Reasoning, 72% of General awareness and 76% of English problems correctly. She did not passed as she got less than 75% of the problems correct. How much more questions should she answer correctly to earn 75% passing grade (considering there is no negative marking)?

- (a) 3
- (b) 4
- (c) 5
- (d) 6

Directions (26-30): The given pie chart shows the expenditure (in degrees) incurred in making a book.



Q26. If the total expenditure is Rs 60000, then what is the expenditure (in Rs) on the Printing?

- (a) 18400
- (b) 14800
- (c) 13400
- (d) 16200

Q27. What is the central angle (in degrees) of the sector made by the expenditure on Paper?

- (a) 25
- (b) 75
- (c) 90
- (d) 120

Q28. The expenditure on Binding is how much percent more than the expenditure on Paper?

- (a) 32
- (b) 24.24
- (c) 28.18
- (d) 34

Q29. If expenditure on Paper is Rs 20000, then what is the expenditure (in Rs) on Binding?

- (a) 24600
- (b) 26400
- (c) 28000
- (d) 22800

Q30. In Others there are only two types of expenditures viz. Marketing and Distribution in ratio 3 : 2 respectively. What will be the central angle (in degrees) made by the sector of expenditure on Marketing?

- (a) 21.6
- (b) 32.4
- (c) 27
- (d) 36

