

Quant Quiz For SSC CGL [Beginner Level] : 17th November

Q1. A and B have some guavas divided among themselves. A says to B "If I give you 25% of the guavas I have, I will still have 2 more guavas than you have." To this, B says "If you give me guavas equal to 70% of what I have now, I will have 4 more guavas than you have." What is the total number of guavas that they have?

- (a) 80
- (b) 64
- (c) 36
- (d) 88

Q2. The annual earning of Mr. Sikkawala is Rs. 4 lakhs per annum for the first year of his job and his expenditure was 50%. Later on for the next 3 years his average income increases by Rs. 40,000 per annum and the saving was 40%, 30% and 20% of the income. What is the percentage of his total savings over the total expenditure if there is no any interest is applied on the savings for these four years:

- (a) $49\frac{37}{87}\%$
- (b) $41\frac{73}{83}\%$
- (c) 53%
- (d) None of these

Q3. A, B, C and D purchased a cine-multiplex for Rs. 56 lakhs. The contribution of B, C and D together is 460% that of A, alone. The contribution of A, C and D together is 366.66% that of B's contribution and the contribution of C is 40% that of A, B and D together. The amount contributed by D is:

- (a) 10 lakh
- (b) 12 lakh
- (c) 16 lakh
- (d) 18 lakh

Q4. Ram prepares solutions of alcohol in water according to customers' needs. This morning Ram has prepared 27 litres of a 12% alcohol solution and kept it ready in a 27 litre delivery container to be shipped to the customer. Just before delivery, he finds out that the customer had asked for 27 litres of 21% alcohol solution. To prepare what the customer wants. Ram replaces a portion of 12% solution by 39% solution. How many litres of 12% solution are replaced?

- (a) 5
- (b) 9
- (c) 10
- (d) 12

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Q5. My friend Siddhartha Ghosh is working in the Life Insurance Corporation of India (LIC). He was hired on the basis of commission and he got the bonus only on the first years commission. He got the policies of Rs. 2 lakh having maturity period of 10 year. His commission in the first, second, third, fourth and for the rest of the years is 20%, 16%, 12%, 10% and 4% respectively. The bonus is 25% of the commission. If the annual premium is Rs. 20,000 then what is his total commission if the completion of the maturity of all the policies is mandatory:

- (a) Rs. 174,00
- (b) Rs. 23,600
- (c) Rs. 15,000
- (d) Rs. 15,500

Q6. Mr. Amar spends 50% of his monthly income on household items and out of the remaining he spends 25% on travelling, 30% on entertainment, 15% on shopping and remaining amount of Rs. 900 is saved. What is Mr. Amar's monthly income?

- (a) Rs. 6,000
- (b) Rs. 12,000
- (c) Rs. 9,000
- (d) Cannot be determined

Q7. In a test consisting of 80 questions carrying one mark each, Ankita answers 65% of the first 40 questions correctly. What percent of the other 40 questions does she need to answer correctly to score 80% on the entire test?

- (a) 60
- (b) 80
- (c) 95
- (d) 40

Q8. In a class of 60 students and 5 teachers, each student got sweets that are 20% of the total number of students and each teacher got sweets that are 30% of the total number of students. How many sweets were there?

- (a) 845
- (b) 897
- (c) 810
- (d) 104

Q9. In a college election fought between two candidates, one candidate got 55% of the total valid votes. 15% of the votes were invalid. If the total votes were 15,200, what is the number of valid votes the other candidate got?

- (a) 7106
- (b) 6840
- (c) 8360
- (d) 5814

Q10. On a test consisting of 250 questions, John answered 40% of the first 125 questions correctly. What percent of the other 125 questions does she need to answer correctly for her grade on the entire exam to be 60%?

- (a) 75
- (b) 80
- (c) 60
- (d) Cannot be determined

Q11. The central government granted a certain sum towards flood relief to 3 states A, B, & C in the ratio 13 : 17 : 19 . If C gets Rs 420 crore more than the state A, what is the share of B ?

- (a) 1170 crore
- (b) 1180 crore
- (c) 1190 crore
- (d) None of these

Q12. A person carries Rs. 165/- in the form of currency notes of denomination Rs 5, Rs. 10 & Rs. 20 in the ratio of 3 : 2 : 1, what is the value of currency notes of Rs 20 denomination ?

- (a) 70 Rs
- (b) 80 Rs
- (c) 60 Rs
- (d) 100 Rs

Q13. If $a/b = 1 : 4$, $b/c = 1 : 8$ and $a = 2$, then the Value of C is-

- (a) 8
- (b) 16
- (c) 32
- (d) 64

Q14. 3 years ago, the ratio of Maya's and Shikha's age was 5 : 9 respectively. After 5 years, this would become 3 : 5, Find the present age of Maya ?

- (a) 43
- (b) 53
- (c) 63
- (d) 73

Q15. If three numbers are in the ratio $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$ and difference between the largest and smallest numbers is 45, then find the middle number ?

- (a) 120
- (b) 150
- (c) 100
- (d) 1000

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Q16. Salaries of A, B and C are in the ratio 3 : 5 : 7 respectively. If their salaries were increased by 50%, 60%, and 50% respectively, what will be the new respective ratio of their salaries ?

- (a) 3 : 6 : 7
- (b) 9 : 16 : 21
- (c) 5 : 9 : 14
- (d) None of these

Q17. Fresh water melon contains 90% water. If 10kg of water evaporates, then percentage of water becomes 80% Find the weight of original watermelon ?

- (a) 30 kg
- (b) 40 kg
- (c) 20 kg
- (d) 25 kg

Q18. If $x : y = 3 : 2$, then find the value of the ratio $\rightarrow 2x^2 + 3y^2 : 3x^2 - 2y^2$?

- (a) 30 : 19
- (b) 19 : 30
- (c) 20 : 19
- (d) 20 : 21

Q19. Find the Third Proportion to 3 and 6 ?

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

Q210. Four numbers are in proportion. The sum of the squares of the four numbers is 50 and the sum of first two terms is 4. The ratio of means is 3 : 2. What is the average of the four Number ?

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

Q21.

The value of $5 - \frac{1}{2 + \frac{1}{4 - \frac{1}{3 + \frac{1}{5}}}}$

- (a) 621/134
- (b) 721/134
- (c) 521/134
- (d) 421/134

Q22.

$$\frac{5^2+6^2+7^2+8^2+9^2+10^2}{\sqrt{12+6\sqrt{3}}-\sqrt{12+6\sqrt{3}}}$$

- (a) 355
- (b) 356
- (c) 357
- (d) 359

Q23.

What is the unit digit of

$$(327)^{513} \times (999)^{647} \times (414)^{624} \times (342)^{812}$$

- (a) 8
- (b) 9
- (c) 10
- (d) 11

Q24. What is the unit digit of the sum of First 181 whole number ?

- (a) 4
- (b) 6
- (c) 5
- (d) 0

Q25. What is the unit digit of $1679 \times 1183 \times 397 \times 295 \times 1991 \times 923$ is ?

- (a) 6
- (b) 4
- (c) 5
- (d) 0

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