

## Quant Mega Quiz for SSC CHSL

**Q1. At what price should a shopkeeper mark a radio that costs him Rs. 1200 in order that he may offer a discount of 20% on the marked price and still make a profit of 25%?**

- (a) Rs. 1675
- (b) Rs. 1875
- (c) Rs. 1900
- (d) Rs. 2025

**Q2. Two shopkeepers announce the same price of Rs. 700 for a sewing machine. The first offers successive discounts of 30% and 6% while the second offers successive discounts of 20% and 16%. The shopkeeper that offers better discount, charges ..... less than the other shopkeeper.**

- (a) Rs. 9.80
- (b) Rs. 16.80
- (c) Rs. 22.40
- (d) Rs. 36.40

**Q3. In a triangle ABC, the lengths of the sides AB and AC equal 17.5 cm and 9 cm respectively. Let D be a point on the segment BC such that AD is perpendicular to BC. If AD = 3 cm, then what is the radius (in cm) of the circle circumscribing the triangle ABC?**

- (a) 17.05
- (b) 27.85
- (c) 22.45
- (d) 26.25

**Q4. Which of the following can't be the ratio of the sides of a triangle.**

- (a) 2:3:4
- (b) 1:3:6
- (c) 3:4:5
- (d) 3:4:6

**Q5. The marked price of an article is 20% more than its cost price. A discount of 20% is given on the marked price. In this kind of sale, the seller bears**

- (a) no gain, no loss
- (b) a loss of 4%
- (c) a gain of 4%
- (d) a gain of 8%



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**Q6. A shopkeeper fixed a price of an article 25% more of its cost price and then allowed 10% discount. The actual profit percent is**

- (a) 15%
- (b) 13%
- (c) 12.5%
- (d) 12%

**Q7. After allowing a discount of 16%, there was still a gain of 5%. Then the percentage of marked price over the cost price is**

- (a) 15%
- (b) 18%
- (c) 21%
- (d) 25%

**Q8. A man invests half of his capital at the rate of 10% per annum, one-third at 9% and the rest at 12% per annum. The average rate of interest per annum, which he gets is :**

- (a) 9%
- (b) 10%
- (c) 10.5%
- (d) 12%

**Q4. Which of the following can't be the ratio of the sides of a triangle.**

- (a) Rs. 1020.80
- (b) Rs. 1025
- (c) Rs. 1052
- (d) Rs. 1050

**Q10. A contractor undertakes to build a wall in 40 days. He employs 50 people for the same. However, after 20 days he finds that only 40% of the work is completed. How many more man need to be employed to complete the work in time?**

- (a) 25
- (b) 30
- (c) 35
- (d) 20

**Q11. Amit sold a car at 5% profit and a bike at 10% profit, in whole transaction he gets Rs 15000 as a profit. If he sold the car at 5% loss and the bike at 15% profit, he gets Rs 5000 as a profit. Find the cost price of car?**

- (a) 80000
- (b) 140000
- (c) 160000
- (d) 120000

**Q12. When price of sugar is increased by 35% a person gets 14 kg less sugar in Rs 160. Find the new price of sugar per kg?**

- (a) Rs 31kg
- (b) Rs 4 kg
- (c) Rs 5 kg
- (d) Rs 6 kg

**Q13. A train travelling 60% faster than a car. Both start from point A at the same time and reach point B, 160 km away at the same time. On the way the train takes 20 minutes for stopping at the stations. What is the speed (in km/hr) of the train?**

- (a) 144
- (b) 168
- (c) 198
- (d) 288

**Q14. The difference between compound interest and simple interest at the same rate on Rs 10,000 for 2 years is Rs 1296. The rate of interest per annum is**

- (a) 12%
- (b) 24%
- (c) 36%
- (d) 48%

**Q15. What least number must be added to 4131, so that the sum is completely divisible by 19?**

- (a) 10
- (b) 11
- (c) 9
- (d) 12

**Q16. Sinu and Miku do  $(8/13)^{\text{th}}$  part of a work and the rest of the work was completed by Anku. If Sinu, Miku and Anku take the same work for Rs 2600, then what is the half part of share (in Rs) of Anku?**

- (a) 1600
- (b) 1000
- (c) 800
- (d) 500

**Q17. What is the effective discount (in %) on three successive discounts of 20%, 10% and 12%?**

- (a) 38.64
- (b) 34.54
- (c) 35.54
- (d) 36.64

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**Q18. Profit of Rs 1,03,500 has to be divided between three partners A, B and C in the ratio 11:7:5. How much triple amount (in Rs) does B get?**

- (a) 31,500
- (b) 49,500
- (c) 52,500
- (d) 94,500

**Q19. The average weight of Pankaj, Qasif and Rose is 45 kg. If the average weight of Pankaj and Qasif be 36.5 kg and that of Qasif and Rose be 52 kg, then what is  $\frac{3}{7}$ th of the weight (in kgs) of Qasif?**

- (a) 18
- (b) 42
- (c) 36
- (d) 28

**Q20. A trader sold an article at profit of 20%. Had he bought that article at 60% less price and sold it at Rs 90 less, then he would have gained 50%. What is the value (in Rs) of cost price?**

- (a) 150
- (b) 200
- (c) 250
- (d) 300

**Q21. For every set of 19 kites sold, a vendor gives 1 kite extra, free of cost. In order to give a discount of 10%, the number of extra kites he should give in a sale of 27 kites to the nearest integer is**

- (a) 3
- (b) 6
- (c) 7
- (d) 8

**Q22. In a village, each of the 60% of families has a cow, each of the 30% of families has a buffalo and each of the 15% of families has both a cow and buffalo. In all there are 96 families in the village. How many families do not have a cow or a buffalo?**

- (a) 20
- (b) 24
- (c) 26
- (d) 28

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**Q23. The number of seats in a cinema hall is increased by 25%. The cost of each ticket is also increased by 10%. The effect of these changes on the revenue collection will be an increase of**

- (a) 37.5%
- (b) 45.5%
- (c) 47.5%
- (d) 49.5%

**Q24. Tickets for all but 100 seats in a 10,000 seat stadium were unsold. Of the tickets sold, 20% were sold at half price and the remaining tickets were sold at the full price of Rs. 20. The total revenue from the ticket sales, in Rs. was**

- (a) 158400
- (b) 178200
- (c) 180000
- (d) 198000

**Q25. If 24-carat gold is considered to be hundred percent pure gold, then the percentage of pure gold in 22-carat gold is:**

- (a)  $91\frac{3}{4}\%$
- (b)  $91\frac{2}{3}\%$
- (c)  $91\frac{1}{3}\%$
- (d)  $90\frac{2}{3}\%$

**Q26. Out of 2500 people, only 60% have the saving habit. If 30% save with bank, 32% with post office and the rest with shares, the number of shareholders are**

- (a) 450
- (b) 570
- (c) 950
- (d) 1250

**Q27. In a factory 60% of the workers are above 30 years and of these 75% are males and the rest are females. If there are 1350 male workers above 30 years, the total number of workers in the factory is**

- (a) 3000
- (b) 2000
- (c) 1800
- (d) 1500

**Q28. Fresh fruit contains 68% water and dry fruit contains 20% water. How much dry fruit can be obtained from 100 kgs of fresh fruits?**

- (a) 32 kgs.
- (b) 40 kgs.
- (c) 52 kgs.
- (d) 80 kgs.

**Q29. A spider climbed  $62\frac{1}{2}\%$  of the height of the pole in one hour and in the next hour it covered  $12\frac{1}{2}\%$  of the remaining height. If pole's height is 192 m, then distance climbed in second hour is**

- (a) 3 m
- (b) 5 m
- (c) 7 m
- (d) 9 m

**Q30. A reduction of 21% in the price of an item enables a person to buy 3 kg more for Rs. 100. The reduced price of item per kg is**

- (a) Rs. 5.50
- (b) Rs. 7.50
- (c) Rs. 10.50
- (d) Rs. 7.00

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