

Quant Mega Quiz for SSC Tier-1

Q1. If the price of sugar is increased by 7%, then by how much percent should a housewife reduce her consumption of sugar, to have no extra expenditure

- (a) 6.54
- (b) 7.3
- (c) 7.1
- (d) 7

Q2. What is the total number of customers in a shop on a particular day, when 31% of them purchases on credit, and the number of those who do cash purchase exceeds the number of credit purchases by 247?

- (a) 605
- (b) 560
- (c) 650
- (d) 1650

Q3. Mr. Abhimanyu Banerjee is worried about the balance of his monthly budget. The price of petrol has increased by 40%. By what percent should he reduce the consumption of petrol so that he is able to balance his budget?

- (a) 33.33
- (b) 28.56
- (c) 25
- (d) 14.28

Q4. In Mathematics examination, a student scored 30% in the first paper of 180 marks. How much % marks should he score in the second paper of 150 marks if he is to get an overall percentage of at least 50%?

- (a) 20
- (b) 74
- (c) 30
- (d) 65

Q5. Nagamani had a car to sell. Loknayak offered him a sum of money for the car that he refused as it was 13%, below its value. Loknayak then offered Rs. 450 more and the second offer was 5% more than the estimated value. What was the value of the car?

- (a) Rs. 3000
- (b) Rs. 2500
- (c) Rs. 3800
- (d) Rs. 2800

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- Q6. A school has a student population of 560. The number of girls is $14\frac{2}{7}\%$ of the number of boys. How many girls are in the school?**
- (a) 100
(b) 70
(c) 80
(d) 140
- Q7. A man saves $3\frac{1}{3}\%$ from his salary of Rs. 750 every month. In how many months will he be able to save an amount equal to his monthly salary?**
- (a) 40 months
(b) 50 months
(c) 30 months
(d) 45 months
- Q8. In an examination 'P' scored 130 points, which are 10 points above 40%, and Q scored 75%. The points scored by Q are**
- (a) 225
(b) 250
(c) 200
(d) 375
- Q9. When 75% of a number is added to 75, the result is the number again. The number is**
- (a) 150
(b) 300
(c) 100
(d) 450
- Q10. The percentage of total quantity represented by a 12° sector in a circle graph (pie diagram) is,**
- (a) 12%
(b) 24%
(c) $33\frac{1}{3}\%$
(d) $3\frac{1}{3}\%$
- Q11. A train running at the speed of 30 m/second takes 30 seconds to cross a platform 600 metres in length. What is the length of the train in metre?**
- (a) 150 m
(b) 200 m
(c) 250 m
(d) 300 m
- Q12. Sunit gets 10% more marks than Akbar. By what percentage is Akbar's marks less than that of Sunit?**
- (a) 9%
(b) 10%
(c) $9\frac{1}{11}\%$
(d) $11\frac{1}{9}\%$

Q13. 10 years ago Ramesh's father was four times the age of Ramesh. 10 years later his age will be twice. What is the age of Ramesh?

- (a) 20 years
- (b) 21 years
- (c) 22 years
- (d) 25 years

Q14. A person sells an article at Rs. 8000 at the loss of $\frac{1}{5}$ of the cost price. What was the cost price of the article?

- (a) Rs. 9600
- (b) Rs. 8000
- (c) Rs. 10,000
- (d) Rs. 6400



Q15. The incomes of two persons are in the ratio of 3 : 5. If each gets a raise of Rs. 20, then this ratio becomes 13 : 21. What were their original incomes?

- (a) Rs. 120, Rs. 200
- (b) Rs. 120, Rs. 225
- (c) Rs. 240, Rs. 450
- (d) Rs. 240, Rs. 400

Q16. How many square handkerchiefs of 0.24 m side (length) can be made out of 1.2 m long and 96 cm wide cloth, without wasting any cloth?

- (a) 200
- (b) 240
- (c) 280
- (d) 20

Q17. Krishna started a business with the capital of Rs. 18,000. Four months later Sunita joined the business with the capital of Rs. 24,000. At the end of the year, they made a profit of Rs. 5100. What will be the share of Sunita in the profit?

- (a) Rs. 2100/-
- (b) Rs. 2200/-
- (c) Rs. 2300/-
- (d) Rs. 2400/-

Q18. The HCF of three numbers is 24. If these numbers are in the ratio of 35 : 55 : 77, then what are these numbers?

- (a) 280, 440, 616
- (b) 105, 175, 231
- (c) 840, 1320, 1848
- (d) 900, 1400, 1900

Q19. Two pieces of iron are 569 cubic metre and 1728 cubic metre in volume. These two pieces of iron are melted in the form of a solid cube. What will be the length of the side of the cube?

- (a) 8 cm
- (b) 10 cm
- (c) 12 cm
- (d) None of these

Q20. A sum of money becomes Rs. 1815 in two years at 10 percent compound interest. What is the principal?

- (a) Rs. 1500
- (b) Rs. 1525
- (c) Rs. 1550
- (d) Rs. 1600

Q21. A jar full of whisky contains 40% alcohol. A part of this whisky is replaced by another containing 19% alcohol and now the percentage of alcohol was found to be 26%. The part of whisky replaced is:

- (a) $\frac{1}{3}$
- (b) $\frac{2}{3}$
- (c) $\frac{2}{5}$
- (d) $\frac{3}{5}$

Q22. A trader marked his goods at 20% above the cost price. He sold half the stock at the marked price, one quarter at a discount of 20% on the marked price and the rest at a discount of 40% on the marked price. His total gain is

- (a) 2%
- (b) 4.5%
- (c) 13.5%
- (d) 15%

Q23. A can complete $\frac{1}{4}$ of a work in 10 days, B can complete 40% of the work in 15 days, C completes $\frac{1}{3}$ of the work in 13 days and D $\frac{1}{6}$ of work in 7 days. Who will be able to complete work fastest?

- (a) A
- (b) B
- (c) C
- (d) D

Q24. Annually income of Sameer is 8.4 lakh Rs. he spend $14\frac{2}{7}\%$ on Rent, $16\frac{2}{3}\%$ of remaining on Food and $\frac{11}{20}$ of remaining spend on Cloth and travel together monthly. then find the difference between total saving and amount spend on travel annually, if given ratio between amount spend on Cloth to travel is 17 : 8 ?

- (a) 164400 Rs.
- (b) 165400 Rs.
- (c) 160400 Rs.
- (d) 175400 Rs.

Q25. When the price of sugar was increased by 32%, a family reduced its consumption in such a way that the expenditure on sugar was only 10% more than before. If 30 kg per month were consumed before, find the new monthly consumption of family?

- (a) 42 kg
- (b) 35 kg
- (c) 25 kg
- (d) 16 kg

Q26. One year ago, the ratio between Mahesh's and Suresh's salaries was 3 : 5. The ratio of their individual salaries of last year and present year are 2 : 3 and 4 : 5 respectively. If their total salaries for the present year are Rs. 43000, what is the present salary of Mahesh ?

- (a) Rs. 19000
- (b) Rs. 18000
- (c) Rs. 16000
- (d) Rs. 15500

Q27. A hostel has provision for 250 students for 35 days. After 5 days, a fresh batch of 25 students was admitted to the hostel. Again after 10 days, a batch of 25 students left the hostel. How long will the remaining provision survive ?

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

Q28. The simple interest accrued on an amount of Rs. 22,500 at the end of four years is Rs. 10,800. What would be the compound interest accrued on the same amount at the same rate of interest at the end of two years ?

- (a) Rs. 16,908
- (b) Rs. 5,724
- (c) Rs. 28,224
- (d) Rs. 8,586

Q29. The diameter of a cycle wheel is 70 cm. A cyclist takes 30 hrs to reach a destination at the speed of 22 km/h. How many revolutions will the wheel make during this journey ?

- (a) 1 lakhs
- (b) 3 lakhs
- (c) 4 lakhs
- (d) 5 lakhs

Q30. P, Q and R enter into a partnership with investment of Rs. 3500, Rs. 4500 and Rs. 5500 respectively. if at the end of six months total profit is Rs. 405.

Find share of P's in the total profit?

- (a) Rs. 200
- (b) Rs. 105
- (c) Rs. 250
- (d) Rs. 151

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