

Quantitative Techniques Sample Paper for CLAT 2025

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QUANTITATIVE TECHNIQUES SAMPLE PAPER

1. R Mart and Bazaar both sold basmati rice at the same selling price. However, R Mart gave customers a 10% discount on the marked price, whereas Bazaar sold the rice for a discount of 20% on the marked price. If the marked price of basmati rice at R Mart is ₹200/kg, what is the marked price of basmati rice at Bazaar?

- a) 210/kg
- b) 215/kg
- c) 225/kg
- d) 250/kg

2. Tata Motors and Maruti Suzuki sold their cars at the same selling price. However, Tata Motors offered a 15% discount on the marked price, whereas Maruti Suzuki offered a 10% discount on the marked price. If the marked price of a Tata Motors car is ₹5,00,000, what is the marked price of a Maruti Suzuki car?

- a) 5,15,000
- b) 5,25,000
- c) 5,35,000
- d) 5,45,000

3. In a certain year, if the number of working males aged 18 years and older is 68% of the total male population and the number of working females aged 18 years and older is 65% of the total female population, and the total male population is 1.2 times the total female population, what is the ratio of working females to males aged 18 years and older?

- a) 0.90
- b) 0.92

- c) 0.95
- d) 0.98

4. If the total population in a city is 1.25 times the population of another city, and 70% of the population in the first city is above the age of 18 while 68% of the population in the second city is above the age of 18, what is the ratio of people above the age of 18 between these two cities?

- a) 1.10
- b) 1.14
- c) 1.19
- d) 1.21

5. A school's student population consists of 45% girls and 55% boys. If 70% of the boys participate in sports activities and 65% of the girls do, what's the ratio of girls to boys participating in sports?

- a) 0.75
- b) 0.82
- c) 0.88
- d) 0.92

6. A university has a student body with 60% male and 40% female students. If 80% of the male students are enrolled in engineering courses and 70% of the female students are enrolled in engineering courses, what is the ratio of female to male students enrolled in engineering courses?

- a) 0.87
- b) 0.93
- c) 0.78
- d) 0.84

6. A store sells a product with a marked price of ₹1,200. The store gives a 10% discount initially and then gives an additional 5% discount on the discounted price. What is the final selling price after both discounts?

- a) 1,020
- b) 1,134

c) 1,098

d) 1,140

7. A shopkeeper buys 10 items for ₹1,000 each and 5 items for ₹1,500 each. He sells all the 10 cheaper items for ₹1,200 each, and 5 more expensive items for ₹1,400 each. What is the overall profit or loss?

a) 500 loss

b) 1,000 profit

c) 500 profit

d) 1,000 loss

8. A shopkeeper buys a product for ₹500 and wants to make a 20% profit after giving a 10% discount on the marked price. What should be the marked price?

a) 700

b) 750

c) 680

d) 780

9. A retailer wants to achieve a 25% profit on an item after giving a 15% discount on the marked price. If the cost price of the item is ₹400, what should be the marked price?

a) 550

b) 580

c) 600

d) 620

10. A merchant bought a product for ₹800 and sold it for ₹960. He later bought another product for ₹500 and sold it for ₹620. What is the average profit percentage for both products?

a) 17%

b) 18%

c) 19%

d) 20%

11. A shopkeeper buys 3 types of items: Item A for ₹500, Item B for ₹1,200, and Item C for ₹1,800. He sells Item A for ₹400, Item B for ₹1,500, and Item C for ₹2,000. What's

the total profit or loss percentage?

- a) 8% profit
- b) 8% loss
- c) 9% profit
- d) 9% loss

12. A retailer buys a set of items for ₹2,000 each. He marks them up by 25% and then offers a 10% discount on the marked price. What is the final selling price for these items?

- a) 2150
- b) 2250
- c) 2350
- d) 2400

13. A shopkeeper buys a product for ₹600 and marks it up by 30%. He gives a 15% discount and an additional 5% discount on the discounted price. What is his profit?

- a) 65
- b) 75
- c) 85
- d) 95

14. A juice bar combines orange juice and pineapple juice in the ratio 3:5 to make a tropical blend. If they have 150 liters of pineapple juice, how much orange juice do they need to maintain the same ratio?

- a) 80 liters
- b) 90 liters
- c) 100 liters
- d) 120 liters

15. The ratio of wheat to rice in a storage container is 2:3. If 20 kilograms of wheat is added to the container, the new ratio becomes 3:4. How much wheat was initially in the container?

- a) 20 kg
- b) 30 kg
- c) 45 kg
- d) 50

ANSWERS

- 1. C
- 2. D
- 3. A
- 4. C
- 5. D
- 6. C
- 7. A
- 8. B
- 9. A
- 10. C
- 11. A
- 12. B
- 13. B
- 14. D
- 15. B

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