

NABARD Grade A

2025 Previous Year Paper

QUANTITATIVE APTITUDE

Complete Phase I Subject-wise PYQs with Detailed Solutions



Solved Questions <

Memory Based Paper <

Based on the
Latest Exam
Pattern

QUANTITATIVE APTITUDE

Direction (1-3): In the questions, two equations I and II are given. You have to solve both the equations to establish the correct relation between x and y and choose the correct option

Q1. I. $x^2 + 4x - 96 = 0$

II. $y^2 - 25y + 144 = 0$

- A. $x > y$
- B. $x < y$
- C. $x = y$ or the relationship cannot be established
- D. $x \geq y$
- E. $x \leq y$

Answer: B

Q2. I. $x^2 - 30x + 224 = 0$

II. $y^2 - 38y + 357 = 0$

- A. $x > y$
- B. $x < y$
- C. $x = y$ or the relationship cannot be established
- D. $x \geq y$
- E. $x \leq y$

Answer: B

Q3. I. $12x^2 - 13x + 3 = 0$

II. $18y^2 - 21y + 6 = 0$

- A. $x > y$
- B. $x < y$
- C. $x = y$ or the relationship cannot be established
- D. $x \geq y$
- E. $x \leq y$

Answer: C

Q4. Aman saves 55% of his monthly income. If his savings decrease by 20% while his expenditure increases by 25%, then find the percentage increase/decrease in his monthly income.

- A. 8% increase
- B. 10% decrease
- C. 5% increase
- D. 12% increase
- E. 15% decrease

Answer: C (5% increase)

Q5. A 300-litre mixture of milk and water contains milk and water in the ratio 4:1 respectively. If $(x + 10)$ litres of milk and $(2x + 20)$ litres of water are added to the mixture, the ratio of milk and water becomes 5:3. Find the value of x.

- A. 70
- B. 60
- C. 80

- D. 90
- E. 100

Answer: C (80)

Q6. The ratio of upstream speed to downstream speed of a boat is 5:7. If the boat covers 180 km in still water in 5 hours, find the distance covered upstream in 4 hours.

- A. 96 km
- B. 100 km
- C. 120 km
- D. 108 km
- E. 112 km

Answer: B (100 km)

Q7. P and Q started a business with investments of ₹6,000 and ₹5,000 respectively. After 6 months, P reduced his investment by ₹1,000, whereas Q increased his investment by ₹1,000. Find the ratio of profit share of P to Q at the end of one year.

- A. 13 : 14
- B. 14 : 13
- C. 15 : 14
- D. 16 : 15
- E. 17 : 16

Answer: B (14 : 13)

Q8. Rohan started a work alone and worked for 15 days. He completed $\frac{3}{8}$ of the work and then left. The remaining work was completed by Karan in 25 days. Find the time taken by both of them together to complete the entire work.

- A. 15 days
- B. 18.75 days
- C. 20 days
- D. 22.5 days
- E. 24 days

Answer: B (18.75 days)

Q9. A train P of length 420 metres is moving at a speed of 90 km/h. Another train Q of length 330 metres crosses train P running in the opposite direction in 15 seconds. Find the time taken by train Q to completely cross a platform of length 720 metres.

- A. 42 seconds
- B. 36 seconds
- C. 45 seconds
- D. 48 seconds
- E. 40 seconds

Answer: B (36 seconds)

Q10. The lateral surface area of a cuboid is 864 m^2 . The length and breadth of the cuboid are 24 m and 12 m respectively. The area of a square is 784 m^2 . Find the difference between the side of the square and the height of the cuboid.

- A. 10 m
- B. 12 m
- C. 16 m
- D. 14 m
- E. None of these

Answer: A (10 m)

Q11. Rohit invested ₹48,000 at simple interest for 5 years and received a total amount of ₹1,08,000 at maturity. If Mohit invested ₹54,000 at the same rate of simple interest for 4 years, find the interest earned by him.

- A. ₹54,000
- B. ₹60,000
- C. ₹57,600
- D. ₹64,800
- E. ₹52,800

Answer: C (₹57,600)

Q12. The cost price of an article is ₹600. It is marked 25% above the cost price and sold after allowing a discount of 20%. Find the percentage profit or loss on selling the article.

- A. 2% Loss
- B. 4% Profit
- C. 5% Loss
- D. No Profit No Loss
- E. 6% Profit

Answer: D (No Profit No Loss)

Q13. Find the wrong number in the following series:

850, 862, 838, 878, 822, 894, 806

- A. 862
- B. 838
- C. 878
- D. 822
- E. 894

Answer: D (822)

Q14. Find the wrong number in the following series:

1200, 1195, 1185, 1168, 1142, 1104, 1053

- A. 1053
- B. 1195
- C. 1185
- D. 1142
- E. 1104

Answer: E (1104)

Q15. Find the wrong number in the following series:

38, 50, 66, 87, 115, 150, 194

- A. 66
- B. 50
- C. 115
- D. 194
- E. 150

Answer: C (115)

Directions (16-20): Study the line graph showing the number of Jars and Mugs sold (in absolute numbers) by a company during the years 2020–2024.

The table shows the selling price per unit (₹) of each Jar and Mug.

Year	Price per Jar (₹)	Price per Mug (₹)
2020	25	45
2021	28	48
2022	30	50
2023	32	54
2024	35	60

Number of Jars Sold: 1200, 1400, 1600, 1800, 2000

Number of Mugs Sold: 800, 1000, 1200, 1400, 1600

Q16. What is the total revenue generated from the sale of Jars during the five-year period?

- A. ₹2,44,600
- B. ₹2,46,000
- C. ₹2,48,400
- D. ₹2,50,000
- E. ₹2,52,600

Answer: B (₹2,46,000)

Q17. In which year was the difference between revenue generated from Mugs and Jars the highest?

- A. 2020
- B. 2021
- C. 2022
- D. 2023
- E. 2024

Answer: E (2024)

Q18. What was the percentage increase in revenue from Mugs between 2020 and 2024?

- A. 166.67%
- B. 165.25%
- C. 170.50%
- D. 160.00%
- E. 175.00%

Answer: A (166.67%)

Q19. If the cost price of a Jar is ₹18 and that of a Mug is ₹36 throughout the period, what is the overall profit percentage earned by the company over all five years?

- A. 48.72%
- B. 50.34%
- C. 52.08%
- D. 54.56%
- E. 56.25%

Answer: C (52.08%)

Q20. In which year did the company earn the highest combined average revenue per item sold (Jar + Mug)?

- A. 2020
- B. 2021
- C. 2022
- D. 2023
- E. 2024

Answer: E (2024)

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