

NABARD Grade A

2024 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

2024-NABARD PHASE 1**QUANTITATIVE APTITUDE****Directions (1–4):**

Choose the approximate value that should replace (?) in each of the following questions.

Q1.

$$16.02 + 19.98\% \text{ of } 600.2 - 123.4 = ?$$

- A. 28.6
- B. 13.7
- C. 46.9
- D. 17.5
- E. 12.8

Answer: B**Q2.**

$$20.02\% \text{ of } 199.8 + 12.4 \times 20 = 101 + 5.02 \times ?$$

- A. 36
- B. 42
- C. 38
- D. 55
- E. 30

Answer: C**Q3.**

$$\sqrt{784.2} + 39.8\% \text{ of } 601.5 = ? - 1.2$$

- A. 212
- B. 270
- C. 451
- D. 146
- E. 248

Answer: B**Q4.**

$$(44.98 / 9.02) \times 35\% \text{ of } 350.5 = ?^2 - 13$$

- A. 26
- B. 15
- C. 50

- D. 22
- E. 28

Answer: E

Q5. Boat P travels 96 km upstream in 6 hours, while Boat Q covers 192 km downstream in 6 hours. The ratio of the still-water speed of Boat P to Boat Q is 4 : 5. If both boats sail in the same river, determine the downstream speed of Boat P.

- A. 24 km/hr
- B. 36 km/hr
- C. 30 km/hr
- D. 40 km/hr
- E. None of these

Answer: C

Q6. Container A contains 40% milk mixed with water, whereas Container B contains apple juice mixed with water. The contents of A and B are mixed in the ratio 2 : 3. After adding 20 litres of milk to the mixture, the ratio of Milk : Apple Juice : Water becomes 8 : 5 : 16. Find the quantity of apple juice present in Container B.

- A. 30 litres
- B. 25 litres
- C. 40 litres
- D. 20 litres
- E. None of these

Answer: B

Q7. The income of Person A is 30% higher than that of Person B. Person A saves 25% of his income, while Person B saves ₹2,600. If both individuals save the same amount, what is the difference between their expenditures?

- A. ₹3,000
- B. ₹2,800
- C. ₹2,400
- D. ₹8,000
- E. ₹2,600

Answer: C

Q8. The Cost Price (CP) and Selling Price (SP) of an article are in the ratio 4 : 5. The profit percentage earned is equal to the discount percentage allowed on the marked price. If the seller earns a profit of ₹37.50, determine the Marked Price (MP) of the article.

- A. ₹350
- B. ₹200
- C. ₹400
- D. ₹250
- E. ₹300

Answer: B

Directions (9–12):

Answer the following questions by determining the missing term (?) in each of the given number series.

Q9.

18, 20, 41, 124, 497, ?

- A. 2488
- B. 2494
- C. 2500
- D. 2482
- E. 2524

Answer: D

Q10.

142, 156, ?, 196, 218, 246

- A. 172
- B. 179
- C. 170
- D. 166
- E. 188

Answer: C

Q11.

14, 34, 60, 80, ?, 126

- A. 101
- B. 105
- C. 96
- D. 132
- E. 114

Answer: B

Q12.

5, 10, 15, 30, 45, ?, 135

- A. 60
- B. 75
- C. 90

- D. 72
- E. 80

Answer: E

Directions (13–15):

Study the information given below carefully and answer the questions that follow.

Three states—**P, Q and R**—have teachers belonging to two subjects: **Mathematics** and **Science**.

- The total number of Mathematics teachers in State R is **50% higher** than the number of Science teachers in State P.
- The number of Mathematics teachers in State P is **180 more** than that in State R.
- The number of Science teachers in State R equals the **average** of the Mathematics and Science teachers in State P.
- The combined number of Science teachers in State R and Mathematics teachers in State Q is equal to the Mathematics teachers in State P.
- The total number of Science teachers across the three states is **960**.
- The total number of Mathematics teachers in State Q is **180**.

Q13. Find the ratio of the number of Science teachers in State R to the number of Mathematics teachers in State Q.

- A. 5 : 2
- B. 9 : 5
- C. 11 : 4
- D. 8 : 3
- E. 7 : 2

Answer: D

Q14. The number of Science teachers in State Q is what percent more or less than the number of Science teachers in State P?

- A. 15%
- B. 25%
- C. 20%
- D. 30%
- E. 40%

Answer: C

Q15. Science teachers in State R are employed either in Government or Private schools. If the ratio of Government to Private school teachers is 11 : 13, determine the number of Private school Science teachers in State R.

- A. 195
- B. 210

- C. 220
- D. 205
- E. None of these

Answer: C

Q16. A group of 48 workers can complete 60% of a project in 15 days, working 6 hours daily. However, after 12 days, only 40% of the work has been completed. Without increasing the workforce, how many additional working hours per day are required to complete the project within the scheduled time?

- A. 2 hours
- B. 4 hours
- C. 6 hours
- D. 8 hours
- E. None of these

Answer: E

Directions (17–20):

Study the following data carefully and answer the questions.

The table below gives:

- the total number of children who like **Ice Cream**, and
- the total number of children who like **both Ice Cream and Chocolate**

across five colonies P, Q, R, S and T.

Colony	Ice Cream	Ice Cream & Chocolate
P	90	140
Q	120	190
R	100	230
S	90	210
T	150	250

Q17. Find the ratio of the number of children who like only Chocolate in Colony R to the number of children who like Ice Cream in Colony T.

- A. 13 : 15
- B. 11 : 14
- C. 7 : 10

- D. 8 : 15
E. None of these

Answer: A

Q18. Find the average of the number of children who like Ice Cream in Colony Q and the number of children who like both Ice Cream and Chocolate in Colony S.

- A. 145
B. 170
C. 165
D. 155
E. None of these

Answer: C

Q19. The number of children who like both Ice Cream and Chocolate in Colony A is 20% higher than that of Colony R. Find the difference between the number of children who like both Ice Cream and Chocolate in Colonies T and A.

- A. 32
B. 40
C. 46
D. 26
E. None of these

Answer: D

Q20. The number of children who like Ice Cream in Colony R is what percentage of the number of children who like only Chocolate in Colony S?

- A. 40%
B. 60%
C. 75%
D. 80%
E. None of these

Answer: B

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