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Baroda Rajasthan Gramin Bank Clerk Exam
Numerical Ability Solved Question Paper 2011

Directions—(Q. 1–22) What will come in place of the question mark (?) in the following questions ?

1. $34 \times 57 \times 2 = ? \times 3$
   - (A) 1229
   - (B) 1292
   - (C) 1282
   - (D) 1299
   - (E) None of these

2. $\frac{31}{72} \times \frac{21}{62} \times \frac{12}{49} = ?$
   - (A) $\frac{1}{26}$
   - (B) $\frac{3}{28}$
   - (C) $\frac{1}{18}$
   - (D) $\frac{1}{28}$
   - (E) None of these

3. ?% of 2500 = 480
   - (A) 19·2
   - (B) 15·2
   - (C) 21·2
   - (D) 29·2
   - (E) None of these

4. $1\frac{2}{3} + 2\frac{1}{3} + 1\frac{5}{6} = ?$
   - (A) $5\frac{5}{6}$
   - (B) $4\frac{5}{6}$
   - (C) $3\frac{5}{6}$
   - (D) $6\frac{5}{6}$
   - (E) None of these

5. $\frac{5}{11}$ th of 55% of 1000 = ?
   - (A) 255
   - (B) 260
   - (C) 250
   - (D) 265
   - (E) None of these

6. $\sqrt{122 - (29 \times 2)} = (?)^2$
   - (A) -8
   - (B) $\sqrt{64}$
   - (C) 8
   - (D) 64
   - (E) None of these

7. $6565 - 2222 + 1515 - 2828 = ?$
   - (A) 3003
   - (B) 3060
   - (C) 3300
   - (D) 3000
   - (E) None of these

8. $123·56 + 567·11 - 345·95 = ?$
   - (A) 354·52
   - (B) 349·77
   - (C) 334·27
   - (D) 344·72
   - (E) None of these

9. $3248 \div 232 = 2 \times ?$
 (A) 8   (B) 6
 (C) 7   (D) 9
 (E) None of these

10. $4444 \div 44 \div 10 = ?$
 (A) 10   (B) 11
 (C) 1·10   (D) 101
 (E) None of these

11. $100 \times (10)^8 \div 1000$
 $= (10)^? \times 10000$
 (A) 3   (B) 4
 (C) 10   (D) 7
 (E) None of these

12. $-55 - 34 - 61 - 12 + 454 = ?$
 (A) 229   (B) 282
 (C) 292   (D) 228
 (E) None of these

13. $15 \times \sqrt{3249} + 400 = ?$
 (A) 1525   (B) 1225
 (C) 1245   (D) 1255
 (E) None of these

14. 15% of 350 + 45% of 4450 = ?
 (A) 2045   (B) 2050
 (C) 2005   (D) 2055
 (E) None of these

15. $\frac{3}{5}$th of $\frac{1}{4}$th of $\frac{1}{2}$ of 5600 = ?
 (A) 440   (B) 430
 (C) 410   (D) 425
 (E) None of these

16. $\frac{12}{23} + \frac{15}{23} - \frac{9}{46} = ?$
 (A) $\frac{43}{46}$ (B) $\frac{45}{46}$
 (C) $\frac{41}{46}$ (D) $\frac{47}{46}$
 (E) None of these

17. $(15)^2 + (13)^2 - (21)^2 = ?$
 (A) -47 (B) 47
 (C) -49 (D) 49
 (E) None of these

18. $45313 + 24412 - 31799 = ?$
 (A) 37996   (B) 37926
 (C) 37962   (D) 39726
 (E) None of these

19. $15000 \div 15 \div 5 = ? \times 5$
 (A) 45   (B) 20
 (C) 40   (D) 25
 (E) None of these

20. $4554 \div \sqrt{?} = 23 \times 9$
 (A) 454   (B) 474
 (C) 488   (D) 478
 (E) None of these

21. $450 \div 8 + 125 \cdot 35 = ?$
 (A) 188·6   (B) 171·6
 (C) 181·6   (D) 177·6
 (E) None of these

22. 45% of ? = 1782
 (A) 3690   (B) 3960
 (C) 3990   (D) 3660
 (E) None of these

Directions—(Q. 23–25) What **approximate** value should come in place of the question mark (?) in the following questions ?
 (**Note** : You are **not** expected to calculate the exact value.)

23. $\sqrt{569} = ?$
 (A) 24   (B) 65
 (C) 83   (D) 98
 (E) 47

24. $12123 \div 245 = ?$
 (A) 10   (B) 50
 (C) 30   (D) 90
 (E) 70

25. $79 \cdot 003 \times 12 \cdot 989 \div 13 \cdot 773 = ?$
 (A) 15   (B) 115
 (C) 45   (D) 75
 (E) 25

26. In how many different ways can the letters of the word 'ENGLISH' be arranged ?
 (A) 720   (B) 40320
 (C) 5040   (D) 2520
 (E) None of these

27. Four years ago the ratio between the ages of Veena and Rina was 15 : 11 respectively. The ratio between their present ages is 17 : 13 respectively. What will be Rina's age 3 years hence ?
 (A) 34 years   (B) 37 years
 (C) 26 years   (D) 29 years
 (E) None of these

28. What is the least number that can be added to 3478 to make it a perfect square ?
 (A) 5   (B) 6
 (C) 1   (D) 4
 (E) None of these

29. The sum of five consecutive even numbers is 330. What is the sum of the second largest number and twice the smallest number ?
 (A) 192   (B) 196
 (C) 188   (D) 190
 (E) None of these

30. What will be the average of the following set of scores ?
 342, 149, 151, 220, 392, 444
 (A) 287   (B) 289
 (C) 281   (D) 285
 (E) None of these

31. The average of five numbers is 339. The average of the first and the second number is 149·5. The average of the fourth and the fifth number is 533. What is the third number ?
 (A) 360   (B) 330
 (C) 361   (D) 331
 (E) None of these

32. A bus covers 156 km in 3 hours. The speed of a car is 3 times the speed of the bus. How much time will the car take to cover a distance of 780 km ?
 (A) 3 hours   (B) 6 hours
 (C) 4 hours   (D) 5 hours
 (E) None of these

33. If the following fractions are arranged in an ascending order (from left to right), which of them will be second from the left end ?
 $\frac{4}{5}, \frac{7}{9}, \frac{6}{11}, \frac{8}{13}, \frac{9}{10}$
 (A) $\frac{4}{5}$ (B) $\frac{6}{11}$
 (C) $\frac{8}{13}$ (D) $\frac{7}{9}$
 (E) None of these

Directions (Q. 34 to 36) The following questions are based on the given information :

Out of 5000 students, $\frac{1}{4}$ th enrolled for Dance classes, $\frac{2}{5}$ th enrolled for Art classes and the remaining enrolled for Music classes.

34. What is the total number of students who enrolled for Art classes and Music classes together ?
 (A) 3755   (B) 3705
 (C) 3570   (D) 3750
 (E) None of these

35. What is the difference between the number of students who enrolled for Art classes and the number of students who enrolled for Dance classes ?
 (A) 780   (B) 750
 (C) 740   (D) 770
 (E) None of these

36. What is the respective ratio between the number of students who enrolled for Dance classes and the number of students who enrolled for Music classes ?

(A) 5 : 7   (B) 5 : 8
(C) 4 : 7   (D) 5 : 6
(E) None of these

37. What will be the compound interest accrued on a principle amount of ₹ 50,670 at the rate of 6 p.c.p.a. after a period of 2 years ?

(A) ₹ 6,252·812
(B) ₹ 6,282·812
(C) ₹ 6,262·812
(D) ₹ 6,226·812
(E) None of these

38. Ruchita scored 93 marks in English, 85 marks in Science, 89 marks in Mathematics, 80 marks in Hindi and 96 marks in Social studies. The maximum marks a student can score in each subject is 100. How much percentage did Ruchita get in this exam ?

(A) 88·6   (B) 86·6
(C) 85·3   (D) 89·9
(E) None of these

39. A canteen requires 9 kg of wheat flour per day. They buy the wheat flour at the rate of ₹ 22 per kg. How much does the canteen spend on wheat flour in four days if they buy it at the same rate every day ?

(A) ₹ 782   (B) ₹ 798
(C) ₹ 772   (D) ₹ 795
(E) None of these

40. The cost of 9 units of white paper and 12 units of brown paper is ₹ 318. What will be cost of 27 units of white paper and 36 units of brown paper ?

(A) ₹ 944   (B) ₹ 956
(C) ₹ 959   (D) ₹ 949
(E) None of these

41. 16% of a number is 137·6. What is 45% of that number ?

(A) 389   (B) 387
(C) 379   (D) 377
(E) None of these

42. Utkarsh runs 4 kms. every day. How many days will he require to complete 48 kms. ?

(A) 14   (B) 10
(C) 12   (D) 16
(E) None of these

43. If $(15)^3$ is subtracted from 5421. What will be the remainder ?

(A) 2044   (B) 2064
(C) 2406   (D) 2046
(E) None of these

44. The cost of putting a grass bed is ₹ 75 per sq. meter. The length of a rectangular field is 15 m. and the breadth is 4 m. less than the length. What will be the total cost of putting a grass bed on the field ?

(A) ₹ 12,357   (B) ₹ 12,375
(C) ₹ 12,365   (D) ₹ 12,356
(E) None of these

45. What is the value of (x) in the following equation ?

$$\frac{x^{0·4}}{16} = \frac{32}{x^{2·6}}$$

(A) 8   (B) 9
(C) 6   (D) 7
(E) None of these

Directions—(Q. 46–50) What should come in place of the question mark (?) in the following number series ?

46. 0 1 5 14 30 55 ?

(A) 95   (B) 93
(C) 97   (D) 91
(E) None of these

47. 40 38 42 36 44 ?

(A) 54   (B) 35
(C) 32   (D) 56
(E) None of these

48. 2 7 22 67 202 ?

(A) 606   (B) 608
(C) 603   (D) 605
(E) None of these

49. 8 14 26 44 68 98 ?

(A) 136   (B) 132
(C) 134   (D) 138
(E) None of these

50. 12 6 6 9 18 ?

(A) 45   (B) 54
(C) 63   (D) 36
(E) None of these

Answer: Numerical Ability

1	B		26	C
2	D		27	D
3	A		28	E
4	A		29	A
5	C		30	E
6	E		31	B
7	E		32	D
8	D		33	C
9	C		34	D
10	E		35	B
11	A		36	A
12	C		37	C
13	D		38	A
14	D		39	E
15	E		40	E
16	B		41	B
17	A		42	C
18	A		43	D
19	C		44	B
20	E		45	A
21	C		46	D
22	B		47	E
23	A		48	E
24	B		49	C
25	D		50	A