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Bank of India Clerk Exam Numerical Ability
Solved Question Paper 2011

Directions—(Q. 1–25) What should come in place of the question mark (?) in the following questions ?

1. $\frac{2}{3}$ rd of $\frac{3}{5}$ th of $\frac{4}{5}$ th of ? = 1112
(A) 3575 (B) 3475
(C) 3425 (D) 3215
(E) None of these
2. $7398 \div 54 \times 12 = ?$
(A) 1444 (B) 1644
(C) 1584 (D) 1704
(E) None of these
3. $63 \cdot 04 + 15 \cdot 25 + 36 \cdot 004 = ?$
(A) 114.33 (B) 114.68
(C) 114.2904 (D) 114.94
(E) None of these
4. $\frac{1287}{1645} \times \frac{235}{572} + 3\frac{15}{16} = ?$
(A) $\frac{4}{49}$ (B) $\frac{1}{28}$
(C) $\frac{4}{7}$ (D) $\frac{1}{7}$
(E) None of these
5. $(7856 + 3214 + 6318) \div ? = 38 \cdot 64$
(A) 450 (B) 540
(C) 480 (D) 520
(E) None of these
6. $\sqrt[3]{512} + \sqrt[3]{1331} = \sqrt{?}$
(A) 19 (B) 225
(C) 17 (D) 289
(E) None of these
7. $(0 \cdot 64 \times 2 \cdot 5 \times 3 \cdot 2) \div 0 \cdot 8 = ?$
(A) 0.64 (B) 5.8
(C) 5.08 (D) 6.04
(E) None of these
8. $[(12)^2 + (?)^2] \div 125 = 3 \cdot 2$
(A) 18 (B) 14
(C) 8 (D) 16
(E) None of these
9. $37 \times 7 \times 3 = ?$
(A) 757 (B) 777
(C) 769 (D) 779
(E) None of these
10. 75% of 280 – 24% of 45 = ?
(A) 194.5 (B) 195
(C) 199.2 (D) 198
(E) None of these
11. $\frac{12 \cdot 5 \times 16 + 25}{6 \cdot 4 \times 5 \cdot 5 - 10 \cdot 2} = ?$
(A) 4.5 (B) 12
(C) 9 (D) 6
(E) None of these
12. $789613 - 658748 - 124563 = ?$
(A) 6302 (B) 6230
(C) 6320 (D) 6032
(E) None of these
13. $(7)^3 + (5)^2 + (4)^3 + (16)^2 = ?$
(A) 1.6875 (B) 468.25
(C) 368.0625 (D) 368.25
(E) None of these
14. $\sqrt{64 \times 49} + (4)^2 \times 12 = ?$
(A) 56 (B) 49
(C) 63 (D) 42
(E) None of these
15. $7845 - 3621 + 1487 = ?$
(A) 5711 (B) 2737
(C) 11422 (D) 12953
(E) None of these
16. $59 \times 28 - 1020 = ?$
(A) 514 (B) 554
(C) 612 (D) 642
(E) None of these
17. $38969 - 24376 = ? + 4224$
(A) 10639 (B) 9884
(C) 11369 (D) 10963
(E) None of these
18. $(255 \times 2000) \div 5000 \times 25 = ?$
(A) 4.08 (B) 2550
(C) 4590 (D) 255
(E) None of these
19. $5040 \div ?\% \text{ of } 840 = 8$
(A) 45 (B) 60
(C) 75 (D) 50
(E) None of these
20. $288 \times 64 + 150 + 25 = ?$
(A) 743.28 (B) 2465.28
(C) 18432 (D) 18438
(E) None of these
21. $8476 \div ? \times 45 + 32 = 5900$
(A) 56 (B) 45
(C) 65 (D) 64
(E) None of these
22. $3654 \div \sqrt{1764} + ? = (10)^2$
(A) 16 (B) 13
(C) 9 (D) 12
(E) None of these
23. $744 \div ? \times 0.4 = 9.3$
(A) 32 (B) 35
(C) 36 (D) 28
(E) None of these
24. $598 \div 2.5 = ?\% \text{ of } 650$
(A) 34.4 (B) 35.6
(C) 36.8 (D) 36.4
(E) None of these
25. $(284 + 114 + 324) + (652 - 548 - 64) = ?$
(A) 15.25 (B) 16.75
(C) 20.5 (D) 18.05
(E) None of these
26. 50 people can complete a piece of work in 40 days. In how many days can 100 people with twice the efficiency complete the same piece of work ?
(A) 20 days (B) 10 days
(C) 15 days (D) 25 days
(E) None of these
27. In how many different ways can the letters of the word 'TASTE' be arranged ?
(A) 120 (B) 80
(C) 50 (D) 40
(E) None of these
28. In a class of 75 students, $\frac{1}{5}$ th of the total number of girls and $\frac{3}{5}$ th of the total number of boys join a cricket club. If the total number of boys joining the club is 27. What is the respective ratio of the total number of boys to the total number of girls joining the club ?
(A) 2 : 9
(B) 3 : 2
(C) 9 : 2
(D) Cannot be determined
(E) None of these
29. Meeshu gets ₹ 110 for every day that he works. If he earns ₹ 2,750 in a month of 31 days, for how many days did he work ?
(A) 25 days (B) 28 days
(C) 26 days (D) 24 days
(E) None of these

30. The average weight of 60 students in a class was calculated as 40 kg. later it was found that the weight of one of the student was calculated as 36 kg., whereas his actual weight was 33 kg. What is the actual average weight of the students in the class ?
 (A) 39-90 kg. (B) 39-95 kg.
 (C) 39 kg. (D) 38 kg.
 (E) None of these
31. Two years ago the ratio of the ages of Swati and Khyati was 5 : 7 respectively. Two years hence the ratio of their ages will be 7 : 9 respectively. What is the present age of Khyati ?
 (A) 16 years
 (B) 14 years
 (C) 12 years
 (D) Cannot be determined
 (E) None of these
32. The cost of 11 kg. of Sugar is ₹ 264. The cost of 14 kg. of tea is ₹ 252 and the cost of 17 litre of milk is ₹ 544. What is the total cost of 24 kg. of Sugar, 21 kg. of tea and 25 litre of milk ?
 (A) ₹ 1,745 (B) ₹ 1,800
 (C) ₹ 1,825 (D) ₹ 1,764
 (E) None of these
33. Two candidates fought an election. One of them got 75% of the total votes and won by 750 votes. What is the total number of votes polled ?
 (A) 1800
 (B) 1200
 (C) 1500
 (D) Cannot be determined
 (E) None of these
34. What least number should be added to 785 to make it a perfect square ?
 (A) 115 (B) 48
 (C) 56 (D) 52
 (E) None of these
35. What **approximate** amount of compound interest can be obtained on an amount of ₹ 1,542 at the rate of 4 p.c.p.a. after 2 years ?
 (A) ₹ 126 (B) ₹ 130
 (C) ₹ 122 (D) ₹ 115
 (E) ₹ 135
36. What **approximate** value should come in place of the question mark (?) in the following question ?
 $(45)^2 \div 874 \times 5.5 = ?$
 (A) 21 (B) 17
 (C) 9 (D) 13
 (E) 15
37. Mr. Shrimant inherits 2505 gold coins and divides them amongst his 3 sons Bharat, Parat and Marat in a certain ratio. Out of the total coins received by each of them, Bharat sells 30 coins, Parat donates his 30 coins and Marat loses 25 coins. Now the ratio of gold coins with them is 46 : 41 : 34 respectively. How many coins did Parat receive from his father ?
 (A) 705 (B) 950
 (C) 800 (D) 850
 (E) None of these
38. Suman purchases 15 boxes of mangoes. Each box contains 8 dozen mangoes. How many mangoes did Suman buy ?
 (A) 1440 (B) 96
 (C) 2256 (D) 120
 (E) None of these
39. Sonia invested an amount of ₹ 17,500 at the rate of 8 p.c.p.a. After how many years will she obtain a simple interest of ₹ 16,800 ?
 (A) 15 years (B) 8 years
 (C) 9 years (D) 12 years
 (E) None of these
40. 35% of a number is 899.5. What is 68% of that number ?
 (A) 1712.9 (B) 1747.6
 (C) 1696.2 (D) 1773.3
 (E) None of these
41. The average of five positive integers is 385. The average of the first two integers is 568.5. The average of the fourth and fifth integers is 187.5. What is the third integer ?
 (A) 420
 (B) 382
 (C) 415
 (D) Cannot be determined
 (E) None of these
42. Find the average of the following set of scores—
 351, 244, 479, 588, 105, 78, 483, 536
 (A) 479 (B) 356
 (C) 424 (D) 358
 (E) None of these
43. The sum of the two digits of a two digit number is 13. The difference between the two digits of the number is 3. What is the two-digit number ?
 (A) 85
 (B) 49
 (C) 58
 (D) Cannot be determined
 (E) None of these
44. The sum of the squares of two consecutive positive odd numbers is 650. Which is the larger number ?
 (A) 17 (B) 21
 (C) 23 (D) 15
 (E) None of these
45. What should come in place of the question-mark (?) in the following number series ?
 5, 11, 23, 41, 65, 95, ?
 (A) 131 (B) 125
 (C) 137 (D) 121
 (E) None of these
46. When an amount of ₹ 1,58,965 is divided equally amongst 120 people, how much **approximate** amount would each person get ?
 (A) ₹ 1,330 (B) ₹ 1,315
 (C) ₹ 1,335 (D) ₹ 1,320
 (E) ₹ 1,325
47. Venkat has some ducks and some sheep. If the total number of animal heads is 81 and the total number of animal feet are 268, how many sheep does Venkat have ?
 (A) 28
 (B) 53
 (C) 44
 (D) Cannot be determined
 (E) None of these
48. 25 Shirt pieces of 125 cm. each can be cut from a reel of cloth. After cutting these pieces 90 cm. of cloth remains. What is the length of the reel of cloth in metre ?
 (A) 3215 metre
 (B) 35-15 metre
 (C) 32-15 metre
 (D) 3515 metre
 (E) None of these
49. A car covers a certain distance at the speed of 54 km./hr. in 8 hours. What is the distance covered by the car ?

- (A) 428 km. (B) 444 km.
 (C) 432 km. (D) 430 km.
 (E) None of these

50. The profit earned after selling a pair of shoes for ₹ 2,033 is the same as loss incurred after selling the same pair of shoes for ₹ 1,063. What is the cost price of the shoes ?
 (A) ₹ 1,650
 (B) ₹ 1,548
 (C) ₹ 1,532
 (D) Cannot be determined
 (E) None of these

Answer: Numerical Ability

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