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Central Bank of India Clerk Exam Numerical  
Ability Solved Question Paper 2011

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

1.  $8544 - 5757 + 1111 = 1255 + ?$   
(A) 2463 (B) 2643  
(C) 2453 (D) 2653  
(E) None of these
2.  $\frac{11}{12} + \frac{15}{24} - \frac{5}{12} = ?$   
(A)  $1\frac{1}{24}$  (B)  $1\frac{1}{12}$   
(C)  $1\frac{1}{8}$  (D)  $1\frac{3}{8}$   
(E) None of these
3.  $35 \cdot 62 - 12 \cdot 67 + 15 \cdot 96 = ? - 43 \cdot 22$   
(A) 85·13 (B) 82·13  
(C) 87·13 (D) 83·13  
(E) None of these
4.  $1\frac{3}{8} + 1\frac{1}{4} - 1\frac{11}{16} = ?$   
(A)  $\frac{13}{16}$  (B)  $\frac{12}{17}$   
(C)  $\frac{15}{16}$  (D)  $\frac{11}{16}$   
(E) None of these
5.  $\frac{5}{11}$  of 55% of 1500 = ?  
(A) 395 (B) 392
6.  $256 \cdot 33 - 14 \cdot 32 = ? - 55 \cdot 44$   
(A) 189·57 (B) 168·57  
(C) 176·57 (D) 182·57  
(E) None of these
7.  $(562 - 754) \div 6 = ? \div (-5)$   
(A) -120 (B) 120  
(C) -160 (D) 160  
(E) None of these
8. 7% of 8000 - 12% of 550 = ?  
(A) 474 (B) 497  
(C) 494 (D) 449  
(E) None of these
9.  $(3 \times 4)^2 \times (3 \times 6) \div (9 \times 5) = ?$   
(A) 57·6 (B) 59·6  
(C) 53·2 (D) 51·2  
(E) None of these
10.  $\sqrt{15 \times 163 \div 5 - 89} = ?$   
(A) 15 (B) 25  
(C) 10 (D) 20  
(E) None of these
11.  $(35 \cdot 2 \times 15 \times 4) \div 12 + 20 = (?)^2$   
(A)  $(14)^2$  (B)  $\sqrt{14}$
12.  $23 \times 15 \div 25 + 48 \cdot 2 = -35$   
(A) 97 (B) 98  
(C) 95 (D) 96  
(E) None of these
13.  $\frac{27}{152} \times \frac{8}{9} \div \frac{45}{19} = ?$   
(A)  $\frac{1}{19}$  (B)  $\frac{1}{15}$   
(C)  $\frac{2}{15}$  (D)  $\frac{2}{19}$   
(E) None of these
14.  $(18)^2 - (4)^3 - \sqrt{1225} = (?)^2$   
(A) 225 (B)  $(15)^2$   
(C) 25 (D)  $\sqrt{15}$   
(E) None of these
15.  $0 \cdot 2 \times 8 \cdot 6 \div 0 \cdot 4 \times 45 = ?$   
(A) 193·5 (B) 153·9  
(C) 197·5 (D) 157·9  
(E) None of these
16.  $63 \times 4 \div 8 + 4 \cdot 5 = (?)^2$   
(A)  $\sqrt{6}$  (B)  $(36)^2$   
(C) 36 (D)  $(6)^2$   
(E) None of these

17.  $1\frac{1}{4} \times 3\frac{1}{5} \times 223 = ?$   
 (A) 895 (B) 892  
 (C) 893 (D) 891  
 (E) None of these
18.  $?% \text{ of } 400 - (7)^2 = 159$   
 (A) 55 (B) 53  
 (C) 51 (D) 52  
 (E) None of these
19.  $552 - 258 + 122 = ? + (12)^2$   
 (A) 278 (B) 272  
 (C) 275 (D) 271  
 (E) None of these
20.  $12 \cdot 98 - 35 \cdot 23 + 58 \cdot 22 = ?$   
 (A) 35.97 (B) 32.18  
 (C) 37.59 (D) 33.11  
 (E) None of these
21.  $?% \text{ of } 450 + 12 = 138$   
 (A) 28 (B) 38  
 (C) 25 (D)  $33\frac{1}{3}$   
 (E) None of these
22.  $(15 \times 6) - (12 \times 4) - 18 = ? \div 3$   
 (A) 73 (B) 72  
 (C) 74 (D) 76  
 (E) None of these
23.  $33 \times 15 + 25 + 13 = 256 + ?$   
 (A) 276 (B) 275  
 (C) 279 (D) 277  
 (E) None of these
24.  $\frac{4}{11}$  of  $2\frac{1}{16}$  of 280 = ?  
 (A) 212 (B) 218  
 (C) 210 (D) 205  
 (E) None of these
25.  $5^5 \times (25)^3 \div 625 = (5)^?$   
 (A) 6 (B) 9  
 (C) 8 (D) 5  
 (E) None of these
26. Out of the fractions,  $\frac{1}{7}, \frac{3}{5}, \frac{6}{11}, \frac{8}{13}$  and  $\frac{4}{7}$ , which one is the second highest?  
 (A)  $\frac{1}{7}$  (B)  $\frac{6}{11}$   
 (C)  $\frac{8}{13}$  (D)  $\frac{3}{5}$   
 (E) None of these
27. What is thirty two per cent of three-eighth of 5000?  
 (A) 606 (B) 610  
 (C) 580 (D) 600  
 (E) None of these
28. Rosey's monthly income is three-fourth Rinky's monthly income. Rinky's monthly income is ₹ 28,000. What is Rosey's annual income?  
 (A) ₹ 2.52 lakhs  
 (B) ₹ 2.34 lakhs  
 (C) ₹ 2.15 lakhs  
 (D) ₹ 2.00 lakhs  
 (E) None of these
29. The sum of five consecutive odd numbers is equal to 175. What is the sum of the second largest number amongst them and the square of the smallest number amongst them together?  
 (A) 989 (B) 997  
 (C) 979 (D) 995  
 (E) None of these
30. The average speed of a bus is three-fourth the average speed of a train. The train covers 240 km in 12 hours. How much distance will the bus cover in 7 hours?  
 (A) 110 km (B) 115 km  
 (C) 105 km (D) 100 km  
 (E) None of these
31. What value will be obtained if the square of 18 is subtracted from the cube of 11?  
 (A) 1007 (B) 1070  
 (C) 1009 (D) 1090  
 (E) None of these
32. The area of a rectangle is 1.8 times the area of a square. The length of the rectangle is five times the breadth. The side of the square is 20 cm. What is the perimeter of the rectangle?  
 (A) 145 cm (B) 144 cm  
 (C) 133 cm (D) 135 cm  
 (E) None of these
33. How many boxes are required to pack 288 articles if each box can accommodate 24 articles?  
 (A) 14 (B) 16  
 (C) 12 (D) 8  
 (E) None of these
34. What will be the simple interest accrued on a sum of ₹ 4,500 at the rate of 4 p. c. p. a. after three years?  
 (A) ₹ 450 (B) ₹ 520  
 (C) ₹ 560 (D) ₹ 540  
 (E) None of these
35. The ratio between the present ages of Shalini and Sonal is 11 : 13 respectively. After 3 years Sonal's age will be 29 years. What was Shalini's age 2 years ago?  
 (A) 20 years (B) 22 years  
 (C) 18 years (D) 24 years  
 (E) None of these
36. Sahil got 45 marks in Hindi, 47 marks in Science, 49 marks in Maths, 45 marks in Social Science and 32 marks in English. The maximum marks of each subject are 50. How much overall percentage of marks did he get?  
 (A) 89.5 (B) 83.2  
 (C) 88.3 (D) 87.2  
 (E) None of these
37. Manish consistently runs 200 metre a day and on Sundays he runs 300 metre. How many kilometres will he have run in two weeks? (in this question, week starts from Monday)  
 (A) 4 km (B) 3 km  
 (C) 6 km (D) 2.4 km  
 (E) None of these
38. What will come in place of both the question marks (?) in the following question?  
 $\frac{(? )^{1/2}}{25} = \frac{5}{(? )^2}$   
 (A) 5<sup>2</sup> (B) 25<sup>2</sup>  
 (C) 5√25 (D) 25  
 (E) None of these
39. Sumit purchased an item for ₹ 4,000 and sold it at the gain of 35%. From that amount he purchased another item and sold it at the loss of 20%. What is his overall gain/loss?  
 (A) Loss of ₹ 340  
 (B) Gain of ₹ 350  
 (C) Loss of ₹ 360  
 (D) Neither gain nor loss  
 (E) None of these
40. The scores of six members of a group are, 35, 48, 25, 12, 65 and 34. What are the average scores of all six members?  
 (A) 33.5 (B) 36.5  
 (C) 35.6 (D) 38.5  
 (E) None of these
41. The side of a square is 5 cm which is 13 cm, less than the diameter of a circle. What is the approximate area of the circle?

- (A) 245 sq cm
- (B) 235 sq cm
- (C) 265 sq cm
- (D) 255 sq cm
- (E) 275 sq cm

42. Shweta can complete a piece of work in 8 hours and Priyanka can complete the same piece of work in 4 hours. How much time will both of them take together (**approximately**) to complete the same piece of work ?
- (A) 2 hours      (B) 3 hours
  - (C) 5 hours      (D) 8 hours
  - (E) 4 hours

**Directions—**(Q. 43–45) What will come in place of question mark (?) in the following number series ?

43. 12, 15, 21, 30, 42, 57, ?
- (A) 59              (B) 63
  - (C) 65              (D) 75
  - (E) None of these
44. 25, 28, 34, 43, 55, ?
- (A) 80              (B) 70
  - (C) 60              (D) 75
  - (E) None of these
45. 3, 5, 9, 17, 33, 65, ?
- (A) 130             (B) 128
  - (C) 126             (D) 132
  - (E) None of these

**Directions—**(Q. 46–50) In each of these questions an equation is given with a question mark (?) in place of a correct symbol. Based on the values on the right hand side and the left hand side of the question mark, you have to decide which of the following symbols will come in place of the question mark give answer—

If in place of question mark (?) following will come

- (A) > (greater than)
  - (B) = (equal to)
  - (C) < (lesser than)
  - (D) ≥ (either greater than or equal to)
  - (E) ≤ (either lesser than or equal to)
46.  $[\sqrt{225}] ? - [\sqrt{100} - \sqrt{625}]$
47.  $[145 - 122 + 2] ? \sqrt{676}$
48.  $[(35 - 4^2) \times 2] ? [12 \times 3 + 1]$
49.  $[(96 \div 8) + (35 \div 7)]$   
 $? \pm [(59 - 25) \div 2]$
50.  $\pm [(12 \times 3) + 17] ? [(8 \times 7) - 3]$

Answer: Numerical Ability

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