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Dena Bank 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. $666 \div (2 \cdot 4 \times ?) = 185$
   - (A) 1·5
   - (B) 2·5
   - (C) 0·5
   - (D) 5
   - (E) None of these

2. $956 \times 753 = ?$
   - (A) 723692
   - (B) 727398
   - (C) 710308
   - (D) 719868
   - (E) None of these

3. $\frac{3}{8} \times \frac{4}{7} \times ? = 5376$
   - (A) 30912
   - (B) 25144
   - (C) 24808
   - (D) 25088
   - (E) None of these

4. $[(9)^3 \times (?)^2] \div 21 = 1701$
   - (A) 6
   - (B) 3
   - (C) 11
   - (D) 4
   - (E) None of these

5. $897214 - 336 - 46521 - 1249 - 632176 = ?$
   - (A) 217832
   - (B) 216725
   - (C) 216932
   - (D) 315950
   - (E) None of these

6. $666 \times 66 \times 6 = ?$
   - (A) 263836
   - (B) 236736
   - (C) 263376
   - (D) 236836
   - (E) None of these

7. $\sqrt{11881} \times \sqrt{?} = 10137$
   - (A) 8649
   - (B) 9216
   - (C) 8281
   - (D) 9409
   - (E) None of these

8. $3 \cdot 5 \times 2 \cdot 4 \times ? = 42$
   - (A) 1·5
   - (B) 0·2
   - (C) 0·8
   - (D) 1·2
   - (E) None of these

9. $\sqrt[3]{804357} = ?$
   - (A) 98
   - (B) 89
   - (C) 96
   - (D) 93
   - (E) None of these

10. $\sqrt{?} + 16 \times 24 = 186$
    - (A) 14884
    - (B) 13924
    - (C) 15376
    - (D) 15876
    - (E) None of these

11. $(?)^2 \div (0 \cdot 04)^2 \times 5 \cdot 6 = 117740$
    - (A) 33·64
    - (B) 6·2
    - (C) 38·44
    - (D) 5·4
    - (E) None of these

12. $9418 - ? + 1436 + 2156 = 5658$
    - (A) 7523
    - (B) 7352
    - (C) 7232
    - (D) 7325
    - (E) None of these

13. $9865 + ? + 3174 + 2257 = 19425$
    - (A) 4047
    - (B) 4136
    - (C) 4129
    - (D) 4092
    - (E) None of these

14. $\frac{9}{?} \times 33824 = 63$
    - (A) 4228
    - (B) 4832
    - (C) 2416
    - (D) 8456
    - (E) None of these

15. 64% of $? - 96\%$ of $1120 = 499 \cdot 2$
    - (A) 2600
    - (B) 2540
    - (C) 2460
    - (D) 2280
    - (E) None of these

16. $(99)^2 - (?)^2 + (38)^2 = 8436$
    - (A) 57
    - (B) 53
    - (C) 49
    - (D) 61
    - (E) None of these

17. $12 \cdot 36 \times 18 \cdot 15 + 21 \cdot 52 = ?$
    - (A) 250·3036
    - (B) 209·1448
    - (C) 249·454
    - (D) 245·854
    - (E) None of these

18. $(98764 + 89881 + 99763 + 66342) \div (1186 + ? + 1040 + 1870) = 55$
    - (A) 2354
    - (B) 2368
    - (C) 2254
    - (D) 2404
    - (E) None of these

19. $(64)^2 \div \sqrt[3]{32768} = ?$
    - (A) 128
    - (B) 132
    - (C) 142
    - (D) 104
    - (E) None of these

20. $\dfrac{21 \times 14 - 34}{12 \cdot 4 + 5 \cdot 6 - 15 \cdot 5} = ?$
    - (A) 95
    - (B) 100
    - (C) 110
    - (D) 106
    - (E) None of these

21. $0 \cdot 09 \times 6 \cdot 8 \times ? = 2 \cdot 142$
    - (A) 2·5
    - (B) 4·4
    - (C) 3·5
    - (D) 2·4
    - (E) None of these

22. $(19)^{12} \times (19)^3 \div (19)^4 = (19)^?$
    - (A) 24
    - (B) 8
    - (C) 6
    - (D) 12
    - (E) None of these

23. $11\frac{1}{7} + 2\frac{5}{8} = ?$
    - (A) $110\frac{1}{7}$
    - (B) $13\frac{45}{56}$
    - (C) $96\frac{3}{8}$
    - (D) $13\frac{43}{56}$
    - (E) None of these

24. 680% of $? = 290360$
    - (A) 43800
    - (B) 42700
    - (C) 41900
    - (D) 42500
    - (E) None of these

25. $?\%$ of $920 \times 7 \cdot 5 = 2898$
    - (A) 42
    - (B) 36
    - (C) 45
    - (D) 48
    - (E) None of these

26. Bhuvan has some hens and some cows. If the total number of animal heads are 71 and the total number of feet are 228. How many hens does Bhuvan have ?
    - (A) 43
    - (B) 32
    - (C) 24
    - (D) Cannot be determined
    - (E) None of these

27. If $x + y = 23$ and $xy = 126$; what is the value of $(x)^2 + (y)^2 = ?$
    - (A) 250
    - (B) 317
    - (C) 340
    - (D) Cannot be determined
    - (E) None of these

28. Find the average of the following set of scores—
    965, 362, 189, 248, 461, 825, 524, 234
    - (A) 476
    - (B) 504
    - (C) 461
    - (D) 524
    - (E) None of these

29. The difference between a two-digit number and the number obtained by interchanging the two digits of the number is 18. The sum of the two digits of the number is 12. What is the product of the two digits of the two digit number ?

(A) 35
(B) 27
(C) 32
(D) Cannot be determined
(E) None of these

30. In how many different ways can the letters of the word 'GROUND' be arranged ?
(A) 360   (B) 720
(C) 120   (D) 500
(E) None of these

31. What should come in place of the question mark (?) in the following number series ?
   8 20 50 125 ? 781·25
(A) 300   (B) 295·5
(C) 315   (D) 312·5
(E) None of these

32. The population of a town is 189000. It decreases by 8% in the 1st year and increases by 5% in the 2nd year. What is the population of the town at the end of 2 years ?
(A) 193914   (B) 185472
(C) 182574   (D) 191394
(E) None of these

33. What approximate value should come in place of the question mark (?) in the following question ?
   $894 + 28 \times \sqrt{589} = ?$
(A) 700   (B) 686
(C) 796   (D) 775
(E) 754

34. 18 men can complete a piece of work in 5 days. In how many days can 21 men complete the same piece of work ?
(A) $3\frac{17}{21}$
(B) $4\frac{2}{7}$
(C) 4
(D) Cannot be determined
(E) None of these

35. If the value of $21a + 21b = 1134$, what is the average of $a + b$?
(A) 29   (B) 27
(C) 58   (D) 54
(E) None of these

36. The total number of boys in a school are 16% more than the total number of girls in the school. What is the respective ratio of the total number of boys to the total number of girls in the school ?

(A) 25 : 21
(B) 29 : 35
(C) 25 : 29
(D) Cannot be determined
(E) None of these

37. The difference between 42% of a number and 35% of the same number is 110·6. What is 60% of that number ?
(A) 936   (B) 948
(C) 790   (D) 1106
(E) None of these

38. Out of the three given numbers, the first number is twice the second and thrice the third. If the average of the three numbers is 154, what is the difference between the first and the third number ?
(A) 126   (B) 42
(C) 166   (D) 52
(E) None of these

39. A car travels a distance of 75 km at the speed of 25 km/hr. It covers the next 25 km of its journey at the speed of 5 km/hr and the last 50 km of its journey at the speed of 25 km/hr. What is the average speed of the car ?
(A) 40 km/hr   (B) 25 km/hr
(C) 15 km/hr   (D) 12·5 km/hr
(E) None of these

40. A sum of money is to be divided equally amongst P, Q and R in the respective ratio of 5 : 6 : 7 and another sum of money is to be divided between S and T equally. If S got Rs. 2,100 less than P, how much amount did Q receive ?
(A) Rs. 2,500
(B) Rs. 2,000
(C) Rs. 1,500
(D) Cannot be determined
(E) None of these

41. What is 783 times 869 ?
(A) 678689   (B) 678861
(C) 680427   (D) 681993
(E) None of these

42. If the numerator of a fraction is increased by 250% and the denominator is increased by 300%, the resultant fraction is $\frac{7}{9}$. What is the original fraction ?

(A) $\frac{8}{11}$ (B) $\frac{7}{8}$
(C) $\frac{8}{9}$ (D) $\frac{7}{11}$
(E) None of these

43. Mahesh invests an amount of Rs. 8,560 @ 4 p.c.p.a. for 2 years. What **approximate** amount of compound interest will he obtain at the end of 2 years ?
(A) Rs. 684   (B) Rs. 689
(C) Rs. 645   (D) Rs. 698
(E) Rs. 720

44. There are 15 dozen candles in a box. If there are 39 such boxes, how many candles are there in all the boxes together ?
(A) 7020   (B) 6660
(C) 6552   (D) 3510
(E) None of these

45. If $(57)^2$ is added to the square of a number, the answer so obtained is 8010. What is the number ?
(A) 61   (B) 63
(C) 67   (D) 59
(E) None of these

46. Monica, Veronica and Rachael begin to jog around a circular stadium. They complete their revolutions in 42 seconds, 56 seconds and 63 seconds respectively. After how many seconds will they be together at the starting point ?
(A) 336
(B) 252
(C) 504
(D) Cannot be determined
(E) None of these

47. Meenal bought a watch with 25% discount on the selling price. If the cost of her watch Rs. 1,545, what is the original selling price of the watch ?
(A) Rs. 2,050
(B) Rs. 2,000
(C) Rs. 2,040
(D) Cannot be determined
(E) None of these

48. Anurima invests an amount of Rs. 10,250 @ 4 p.c.p.a. to obtain a total amount of Rs. 12,710 on simple interest after a certain

period. For how many years did she invest the amount to obtain the total sum ?

(A) 6 years   (B) 8 years

(C) 5 years   (D) 4 years

(E) None of these

49. The cost of 16 kg of sugar is Rs. 448. The cost of 18 kgs of rice is Rs. 756 and the cost of 14 kg of wheat is Rs. 546. What is the total cost of 23 kg of sugar, 26 kg of rice and 21 kg of wheat ?

(A) Rs. 2,585   (B) Rs. 2,615

(C) Rs. 2,555   (D) Rs. 2,600

(E) None of these

50. The product of two consecutive odd numbers is 19043. Which is the smaller number ?

(A) 137   (B) 131

(C) 133   (D) 129

(E) None of these

Answer: Numerical Ability

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

21	C
22	E
23	B
24	A
25	A

46	C
47	E
48	A
49	C
50	A