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UCO BANK CLERK EXAM
NUMERICAL ABILITY SOLVED
QUESTION PAPER 2011- SECOND
SHIFT

Directions—(Q. 1–15) What should come in place of the question mark (?) in the following questions ?

1. $256 \times ? = 8^2 \times 10^2$

- (A) 30 (B) 25
 (C) 23 (D) 27
 (E) None of these

2. $38\% \text{ of } ? = 3596 - 632$

- (A) 7800 (B) 8700
 (C) 7900 (D) 8900
 (E) None of these

3. $(963 - 221) \times (?)^2 = 36358$

- (A) 8 (B) 6

(C) 2 (D) 4

- (E) None of these

4. $\frac{16}{23} \times \frac{47}{288} \times \frac{92}{141} = ?$

(A) $\frac{4}{27}$ (B) $\frac{2}{27}$

(C) $\frac{2}{29}$ (D) $\frac{3}{28}$

- (E) None of these

5. $33 + 371 \div 7 = ?$

(A) 89 (B) 85

(C) 86 (D) 84

- (E) None of these

6. $1\frac{3}{5} + 1\frac{8}{9} + 2\frac{4}{5} = ?$

(A) $6\frac{19}{45}$ (B) $6\frac{16}{45}$

(C) $6\frac{17}{45}$ (D) $6\frac{13}{45}$

- (E) None of these

7. $456 \cdot 53 - 261 \cdot 22 + ? = 328 \cdot 59$

(A) $133 \cdot 28$ (B) $138 \cdot 23$

(C) $143 \cdot 28$ (D) $123 \cdot 28$

- (E) None of these

8. $\sqrt{3969} + \sqrt{?} = \sqrt{13225}$

(A) 2809 (B) 2601

(C) 2916 (D) 2740

- (E) None of these

9. $\frac{3}{4}$ th of ? of $\frac{1}{4}$ th of 35600 = 1668.75

- (A) $\frac{2}{3}$ rd (B) $\frac{3}{4}$ th
(C) $\frac{2}{5}$ th (D) $\frac{1}{4}$ th
(E) None of these

10. $\sqrt{25^2 - 15^2} \div 4 = ?$

- (A) 8 (B) 5
(C) 2 (D) 12
(E) None of these

11. $8^4 \times 32768 \times 64^2 = (8)^?$

- (A) 13 (B) 12
(C) 11 (D) 10
(E) None of these

12. $96^2 - 12^2 = 3535 + ?$

- (A) 5537 (B) 5573
(C) 5753 (D) 5375
(E) None of these

13. $(39 \cdot 3 \times 53 \cdot 4) + (26 \cdot 7 \times 5 \cdot 9) = ?$

- (A) 2526.15 (B) 2256.15
(C) 2562.15 (D) 2652.15
(E) None of these

14. 26% of $\frac{1}{4}$ th of 6200 = ?

- (A) 402 (B) 405
(C) 407 (D) 409
(E) None of these

15. $958 \times 42 \div 8 = ?$

- (A) 5029.5 (B) 5039.3
(C) 5049.3 (D) 5019.5
(E) None of these

Directions—(Q. 16–20) 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.)

16. $18 \cdot 13 \times 56 \cdot 90 \div 23 \cdot 58 = ?$

- (A) 15 (B) 65
(C) 75 (D) 25
(E) 45

17. $\sqrt{653} + \sqrt{123} = ?$

- (A) 55 (B) 75
(C) 35 (D) 15
(E) 65

18. $\sqrt[3]{991} = ?$

- (A) 50 (B) 40
(C) 30 (D) 20
(E) 10

19. $419 \div 33 \times 2 \cdot 3 = ?$

- (A) 10 (B) 30
(C) 40 (D) 50
(E) 60

20. $15 \cdot 63 \times 25 \cdot 9 \div 14 \cdot 03 = ?$

- (A) 60 (B) 40
(C) 30 (D) 50
(E) 10

Directions—(Q. 21–25) What will come in place of the question mark (?) in the following series ?

21. 410, 404, 416, 398, 422, 392, ?

- (A) 482 (B) 428
(C) 456 (D) 438
(E) 448

22. 17, 47, 72, 92, 107, ?, 122

- (A) 112 (B) 121
(C) 171 (D) 127
(E) 117

23. 28, 28.5, 27.5, 29, 27, 29.5, ?

- (A) 32.5 (B) 30.5
(C) 24.5 (D) 26.5
(E) 27.5

24. 33, 69, 94, 110, 119, ?, 124

- (A) 120 (B) 121
(C) 123 (D) 122
(E) None of these

25. 99, 99, 101, 105, 111, 119, ?

- (A) 131 (B) 135
(C) 121 (D) 129
(E) 125

26. Sunita's annual income is ₹ 5.46 lacs per annum. Bharti's annual income is $\frac{4}{5}$ th Sunita's annual income. This month Bharti will be given a raise of ₹ 5,000 per month. What will be Bharti's monthly income from this month on ?

- (A) ₹ 41,200 (B) ₹ 42,400
(C) ₹ 44,100 (D) ₹ 41,400
(E) None of these

27. The total cost of 15 pencils and 25 sharpeners is ₹ 170. What will be the cost of 57 pencils and 95 sharpeners ?

- (A) ₹ 640 (B) ₹ 646
(C) ₹ 656 (D) ₹ 636
(E) None of these

28. The ratio between Kirti's and Radha's present ages is 3 : 2 respectively. Three years hence, the ratio between their ages will be 10 : 7 respectively. What is Kirti's present age ?

- (A) 21 years (B) 30 years
(C) 28 years (D) 18 years
(E) 27 years

29. A man sold 33 metres of cloth and the cost of each metre of cloth was ₹ 56. Then he bought 9 kg. of sugar with his earnings at the rate of ₹ 22 per kg. How much money was the man left with after buying the sugar ?

- (A) ₹ 1,560 (B) ₹ 1,630
(C) ₹ 1,530 (D) ₹ 1,650
(E) None of these

30. What will be the average of the following set of scores ?

- 566, 322, 166, 788, 955, 833
(A) 615 (B) 503
(C) 603 (D) 506
(E) 605

31. The average of 5 consecutive odd numbers is 63. What is the sum of the largest number and the square of the smallest number ?

- (A) 3845 (B) 3548
(C) 3458 (D) 3584
(E) None of these

32. If the following fractions are arranged in a descending order (from left to right), which of them will be second from the right end ?

- $\frac{4}{9}, \frac{7}{9}, \frac{6}{11}, \frac{8}{13}, \frac{13}{15}$
(A) $\frac{6}{11}$ (B) $\frac{7}{9}$
(C) $\frac{13}{15}$ (D) $\frac{4}{9}$
(E) $\frac{8}{13}$

33. Deepak scored 18 marks in Economics, 15 marks in Accounts, 33 marks in Mathematics – I, 27 marks in Mathematics – II, 25 marks in English and 23 marks in Hindi. The maximum marks in each subject are 40. What was Deepak's approximate percentage ?

- (A) 69 (B) 79
(C) 59 (D) 49
(E) 39

34. Sumit bought a car at a certain price and sold it at ₹ 8,52,150 which was 15% more than the original price. What was the price at which Sumit bought the car ?
 (A) ₹ 7,51,000
 (B) ₹ 7,41,000
 (C) ₹ 7,31,000
 (D) Cannot be determined
 (E) None of these
35. The average of five numbers is 61.8. The average of the first and second numbers is 33 and the average of the fourth and fifth number is 95. Which of the following is the third number ?
 (A) 55 (B) 54
 (C) 57 (D) 53
 (E) 52
36. Last month the number of employees in Bank A was $\frac{3}{4}$ th the number of employees in Bank B and the average number of employees of both the banks was 3108. Two employees resigned from Bank B this month. What is the total number of employees in Bank B at present ?
 (A) 3550 (B) 2662
 (C) 3560 (D) 2642
 (E) 3650
37. A hotel owner orders 9 kg. of apples per day. How many kg. will he order in 2 weeks ?
 (A) 136 kg. (B) 146 kg.
 (C) 116 kg. (D) 156 kg.
 (E) None of these
38. What will be the resultant if the square of the smallest two digit number is added to the square of the largest one digit number ?
 (A) 1081 (B) 181
 (C) 81 (D) 100
 (E) None of these
39. 30% of a three digit number is 190.8. What will 125% of that number be ?
 (A) 759 (B) 785
 (C) 795 (D) 779
 (E) None of these
40. The average speed of a train is 154 km. per hour. The last station of the train was 1232 km away. The train reached its destination 10 hours after its departure and it halted on the way due to some technical problems. For how long did the train halt ?
 (A) 4 hours (B) 2 hours
 (C) 3 hours (D) 1 hour
 (E) None of these
41. Veena spends 25% of her monthly income on household expenses. Her annual income is ₹ 4.32 lakhs. What is the total amount that Veena spends on household expenses in 8 months together ?
 (A) ₹ 74,000 (B) ₹ 71,000
 (C) ₹ 73,000 (D) ₹ 72,000
 (E) None of these
42. The sum of the ages of Rohit and Vishal is 60 and the ratio between their ages is 2 : 3. What is the difference between their ages ?
 (A) 10 years (B) 14 years
 (C) 6 years (D) 8 years
 (E) 12 years
43. What will be the compound interest obtained on a principle amount of ₹ 56,000 at the rate of 5 p. c. p. a. after 3 years ?
 (A) ₹ 8,927 (B) ₹ 8,727
 (C) ₹ 8,827 (D) ₹ 8,872
 (E) ₹ 8,857
44. The total number of employees in a bank is 5350, out of which 28% are females. What is the respective ratio between the number of female employees to the number of male employees ?
 (A) 7 : 18 (B) 5 : 18
 (C) 7 : 16 (D) 7 : 17
 (E) 11 : 18
45. The breadth of a rectangular field is 25 metres. The total cost of putting a grass bed on this field was ₹ 12,375 at the rate of ₹ 15 per metre². What is the length of the rectangular field ?
 (A) 27 metres (B) 30 metres
 (C) 33 metres (D) 32 metres
 (E) None of these
- Directions—(Q. 46–50) In each of these questions an equation is given with a question mark (?) in place of the correct figure on the right hand side which satisfies the equality. Based on the values of the left hand side and the symbol of equality given, you have to decide which of the following figures will satisfy the equality and thus come in place of the question mark.**
- Symbol stand for :**
 $>$ greater than
 $=$ equal to
 $<$ lesser than
 \geq either greater than or equal to
 \leq either lesser than or equal to
46. $250 \div 5 - 4^2 < ?$
 (A) 32 (B) 3×11
 (C) -34 (D) $33 - 9$
 (E) 7×5
47. $\sqrt{4761} = ?$
 (A) -69 (B) 69
 (C) 69^2 (D) -69^2
 (E) ± 69
48. $\sqrt{33 \times 2 + 130} \geq ?$
 (A) -14 (B) 14
 (C) ± 14 (D) 14^2
 (E) -14^2
49. $(-52)^2 > ?$
 (A) 2704 (B) 2706
 (C) 2705 (D) 2703
 (E) 2707
50. $\pm [(144 + 18) ? (6 \times 2)] \leq ?$
 (A) 21 (B) ± 20
 (C) -20 (D) 20
 (E) 19

Answers: Numerical Ability

1	(B)
2	(A)
3	(E)
4	(B)
5	(C)
6	(D)
7	(A)
8	(E)
9	(D)
10	(B)
11	(A)
12	(A)
13	(B)
14	(E)
15	(A)
16	(E)
17	(C)
18	(E)
19	(B)
20	(C)
21	(B)
22	(E)
23	(D)
24	(C)
25	(D)

26	(D)
27	(B)
28	(E)
29	(D)
30	(E)
31	(B)
32	(A)
33	(C)
34	(B)
35	(D)
36	(A)
37	(E)
38	(B)
39	(C)
40	(B)
41	(D)
42	(E)
43	(C)
44	(A)
45	(C)
46	(E)
47	(E)
48	(A)
49	(D)
50	(D)