



JAGRAN
Josh
your guide to success

WWW.JAGRANJOSH.COM

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

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

1. $58^2 - 8^2 = 300 + ?$
 (A) 3000 (B) 3300
 (C) 3030 (D) 3003
 (E) None of these
2. $\frac{3}{4}$ th of 35% of ? = 1328.25
 (A) 5600 (B) 5080
 (C) 5006 (D) 5800
 (E) None of these
3. $763 \times 23 = ? + 7^2$
 (A) 15700 (B) 17500
 (C) 17800 (D) 17600
 (E) None of these
4. $\frac{17}{19} \times \frac{53}{221} \times \frac{91}{106} = ?$
 (A) $\frac{7}{38}$ (B) $\frac{5}{83}$
 (C) $\frac{7}{33}$ (D) $\frac{5}{38}$
 (E) None of these
5. $958 \times 63 \div 3^2 = ?$
 (A) 7606 (B) 6706
 (C) 6760 (D) 6607
 (E) None of these
6. $\frac{2}{5}$ th of $\frac{3}{4}$ th of $\frac{1}{4}$ th of 26000 = ?
 (A) 1900 (B) 1950
 (C) 1980 (D) 1930
 (E) None of these
7. $28 + 369 \div 9 = ?$
 (A) 72 (B) 63
 (C) 65 (D) 69
 (E) None of these
8. ?% of 4500 = $3000 - 480$
 (A) 65 (B) 53
 (C) 56 (D) 58
 (E) None of these
9. $(855 - 653) \times 3^2 = ?$
 (A) 1881 (B) 1188
 (C) 1818 (D) 1811
 (E) None of these
10. $791.52 + 463.88 - 540.25 = ?$
 (A) 725.25 (B) 711.11
 (C) 735.35 (D) 715.15
 (E) None of these
11. $\sqrt{576} + \sqrt{841} = \sqrt{?}$
 (A) 2890 (B) 2098
 (C) 2909 (D) 2809
 (E) None of these
12. $(69.3 \times 15.2) + (4.5 \times 19.8) = ?$
 (A) 1142.46 (B) 1152.46
 (C) 1412.46 (D) 1124.46
 (E) None of these
13. $6^5 \times 36^2 \times 1296 = 6^?$
 (A) 13 (B) 12
 (C) 14 (D) 11
 (E) None of these
14. $\sqrt{(12^2 + 5^2)} \times 2 = ?$
 (A) 26 (B) 28
 (C) 29 (D) 23
 (E) None of these
15. $3\frac{1}{2} + 1\frac{3}{4} + 1\frac{5}{8} = ?$
 (A) $6\frac{9}{8}$ (B) $6\frac{5}{8}$
 (C) $6\frac{7}{8}$ (D) $5\frac{7}{8}$
 (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. $\sqrt{852} + \sqrt{457} = ?$
 (A) 60 (B) 40
 (C) 70 (D) 30
 (E) 50
17. $12.93 \times 78.78 \div 10.95 = ?$
 (A) 40 (B) 120
 (C) 110 (D) 60
 (E) 90

18. $13.08 \times 19.901 \div 17.05 = ?$
 (A) 25 (B) 35
 (C) 55 (D) 15
 (E) 45

19. $\sqrt[3]{556} = ?$
 (A) 8 (B) 23
 (C) 14 (D) 12
 (E) 16

20. $798 \div 27 \times 0.66 = ?$
 (A) 40 (B) 50
 (C) 10 (D) 30
 (E) 20

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

21. 27, 28, 32, 41, 57, 82, ?
 (A) 116 (B) 112
 (C) 118 (D) 119
 (E) 117
22. 35, 34.5, 35.5, 34, 36, 33.5, ?
 (A) 31 (B) 39
 (C) 31.5 (D) 33
 (E) None of these
23. 33, 38, ?, 63, 83, 108
 (A) 47 (B) 46
 (C) 43 (D) 48
 (E) 49
24. 343, 350, 336, 357, 329, ?, 322
 (A) 354 (B) 364
 (C) 368 (D) 362
 (E) None of these
25. 1, 2, 5, 10, 17, 26, ?
 (A) 35 (B) 37
 (C) 33 (D) 39
 (E) None of these

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

$$\frac{3}{5}, \frac{6}{11}, \frac{9}{17}, \frac{5}{7}, \frac{4}{13}$$

- (A) $\frac{6}{11}$ (B) $\frac{4}{13}$
 (C) $\frac{3}{5}$ (D) $\frac{9}{17}$
 (E) None of these

27. The ratio between Priti's and Asha's ages is 9 : 13 respectively. 8 years ago the ratio between their ages was 7 : 11 respectively. What is Priti's present age ?
 (A) 36 years (B) 52 years
 (C) 43 years (D) 49 years
 (E) None of these
28. What will be the compound interest obtained on a principal amount of ₹ 5500 at the rate of 3 p.c.p.a. after 2 years ?
 (A) ₹ 343.95 (B) ₹ 324.95
 (C) ₹ 354.95 (D) ₹ 314.95
 (E) None of these
29. 3850 students appeared for an exam out of which 18% failed. What is the respective ratio between the number of students who passed to the number of students who failed ?
 (A) 41 : 9 (B) 43 : 9
 (C) 47 : 9 (D) 41 : 7
 (E) None of these
30. The average speed of a bus is 67 km per hour. The bus was scheduled to start at 12 pm. It was scheduled to reach a destination 335 km away from its starting point at 7 pm and a halt was scheduled on the way. For how long was the halt scheduled ?
 (A) 3 hours
 (B) 2 hours
 (C) 1 hour
 (D) Cannot be determined
 (E) None of these
31. Last month the number of employees in company A was $\frac{1}{3}$ rd the number of employees in company B and the average number of employees of both the companies was 718. Company A recruited one more employee this month. What is the total number of employees in company A at present ?
 (A) 380 (B) 370
 (C) 360 (D) 340
 (E) 350
32. Deepak's annual income is ₹ 3.36 lakhs per annum. Rahul's annual income is $\frac{5}{8}$ th Deepak's annual income. This month Rahul will be getting a bonus of ₹ 3000 for good performance. What will be Rahul's total earnings this month ?
 (A) ₹ 20,800 (B) ₹ 20,500
 (C) ₹ 20,300 (D) ₹ 20,700
 (E) None of these
33. A man sold 15 units of wood and the cost of each unit of wood was ₹ 32. Then he bought 2 kg of rice with his earnings at the rate of ₹ 28 per kg. How much money was the man left with after buying the rice ?
 (A) ₹ 442 (B) ₹ 434
 (C) ₹ 424 (D) ₹ 414
 (E) ₹ 454
34. The average of five numbers is 371.8. The average of the first and second number is 256.5 and the average of the fourth and fifth number is 508. Which of the following is the third number ?
 (A) 360 (B) 310
 (C) 430 (D) 380
 (E) 330
35. Every month Priyanka spends 15% of her monthly income for paying loan installments. Her annual income is ₹ 4.2 lakhs. What is the total amount that Priyanka spends on loan installments in 6 months together ?
 (A) ₹ 32,500 (B) ₹ 35,100
 (C) ₹ 30,500 (D) ₹ 31,500
 (E) None of these
36. What will be the average of the following set of scores ?
 313, 252, 161, 727, 525, 818
 (A) 463 (B) 466
 (C) 456 (D) 476
 (E) 445
37. Disha scored 35 marks in Geography, 32 marks in History, 29 marks in Science, 40 marks in Mathematics, 36 marks in English and 33 marks in Hindi. The maximum marks in each subject are 50. What is Disha's **approximate** percentage ?
 (A) 68 (B) 63
 (C) 58 (D) 53
 (E) 76
38. Nikhil bought a painting at a certain price and sold it at ₹ 462000 which was 10% more than the original price. What was the price at which Nikhil bought the painting ?
 (A) ₹ 4,20,000
 (B) ₹ 4,40,000
 (C) ₹ 4,02,000
 (D) Cannot be determined
 (E) None of these
39. The total cost of 30 purses and 20 wallets is ₹ 8500. What will be the total cost of 117 purses and 78 wallets ?
 (A) ₹ 32,150 (B) ₹ 33,510
 (C) ₹ 33,550 (D) ₹ 33,150
 (E) None of these
40. What will be the resultant if the largest two digit square is subtracted from the smallest three digit square ?
 (A) 19 (B) 18
 (C) 16 (D) 17
 (E) None of these
41. A reporter writes 23 articles a month. How many articles will he have written in 1.5 years ?
 (A) 414 (B) 424
 (C) 418 (D) 404
 (E) 423
42. The average of 5 consecutive even numbers is 28. What is the sum of the largest number and the square of the smallest number ?
 (A) 603 (B) 612
 (C) 608 (D) 605
 (E) None of these
43. 20% of a two digit number is 11.6. What will be the 115% of the number ?
 (A) 66.7
 (B) 65.9
 (C) 68.7
 (D) Cannot be determined
 (E) None of these
44. The length of a rectangular field is 53 metre and the breadth is 26 metre. What will be the cost of putting a grass bed across the whole field if the cost of putting a grass bed per metre² is ₹ 27 ?
 (A) ₹ 40,098 (B) ₹ 40,048
 (C) ₹ 40,058 (D) ₹ 40,088
 (E) None of these

45. The difference between the ages of Meena and Seema is 3 years and the ratio between their ages is 7 : 8. What is the sum of their ages ?
- (A) 43 (B) 41
 (C) 45 (D) 48
 (E) 47

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 on 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
 ≥ either greater than or equal to
 ≤ either lesser than or equal to

46. $\sqrt{21 \times 8 - 24} \geq ?$
 (A) ± 12 (B) 12
 (C) -12 (D) 12^2
 (E) -12^2
47. $(\sqrt{64} + 456) \div 8 < ?$
 (A) 53 (B) -58
 (C) 57.9 (D) 56
 (E) 59
48. $\sqrt{784} = ?$
 (A) 28 (B) -28
 (C) ± 28 (D) 28^2
 (E) -28^2
49. $\pm [(5 \times 3) + (57 \div 3)] \div ?$
 (A) 35 (B) 33
 (C) -34 (D) 34
 (E) 31
50. $(-93)^2 > ?$
 (A) 93^2 (B) 8659
 (C) 8649.9 (D) -8649
 (E) 8650

Answers: Numerical Ability

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