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ANDHRA BANK CLERK EXAM SOLVED QUESTION
PAPER 2011- NUMERICAL ABILITY

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

1. $\sqrt{676} + \sqrt{1024} = ?$
(A) 58 (B) 56
(C) 52 (D) 54
(E) None of these
2. $434 \cdot 23 + 21 \cdot 56 + 63 \cdot 89 = ?$
(A) 515.75 (B) 519.68
(C) 517.53 (D) 511.74
(E) None of these
3. $6552 \div 28 + 343 = ?$
(A) 579 (B) 575
(C) 573 (D) 577
(E) None of these
4. $34 \times 255 \times 15 = ? + 14431$
(A) 115619 (B) 115671
(C) 115617 (D) 115691
(E) None of these
5. $0.01 \times 111 + 10.4 - 6.3 = ?$
(A) 6.32 (B) 4.24
(C) 5.21 (D) 9.11
(E) None of these
6. $\sqrt{522 + 35 - 28} = ?$
(A) 33 (B) 35
(C) 27 (D) 23
(E) None of these
7. $18\% \text{ of } 255 + \% \text{ of } 600 = 255.9$
(A) 35 (B) 38
(C) 45 (D) 44
(E) None of these
8. $\frac{1}{5} \text{ th of } \frac{1}{3} \text{ rd of } \frac{3}{4} \text{ th of } 15000 = ?$
(A) 745 (B) 755
(C) 740 (D) 750
(E) None of these
9. $[(155 \div 2) + 83.5] \div 5 = ? \div 2.5$
(A) 70.4 (B) 80.5
(C) 83.4 (D) 73.5
(E) None of these
10. $5642 \cdot 36 + 237 \cdot 35 + 522 \cdot 93 = ? + 3990 \cdot 35$
(A) 2418.76 (B) 2416.45
(C) 2415.29 (D) 2411.23
(E) None of these
11. $(19)^2 + (22)^2 - (16)^2 = ?$
(A) 583 (B) 589
(C) 588 (D) 587
(E) None of these
12. $2\frac{1}{2} + 2\frac{1}{3} + 1\frac{2}{5} = ?$
(A) $6\frac{11}{30}$ (B) $4\frac{7}{30}$
(C) $3\frac{7}{30}$ (D) $6\frac{13}{30}$
(E) None of these
13. $25\% \text{ of } \sqrt{3844} = ?$
(A) 16.8 (B) 15.5
(C) 18.3 (D) 13.7
(E) None of these
14. $(28 \times 13) + (15 \times 9) = ?$
(A) 491 (B) 494
(C) 497 (D) 499
(E) None of these
15. $5^6 \times (25)^2 \div 625 = 5^?$
(A) 8 (B) 5
(C) 6 (D) 9
(E) None of these
16. $26\% \text{ of } 550 - ? = 128$
(A) 15 (B) 18
(C) 13 (D) 19
(E) None of these
17. $\frac{11}{16} \times \frac{80}{99} \times \frac{12}{25} = ?$
(A) $\frac{7}{13}$ (B) $\frac{4}{13}$
(C) $\frac{7}{15}$ (D) $\frac{4}{15}$
(E) None of these
18. $-19 - 31 - 43 - 20 + 344 = ?$
(A) 239 (B) 233
(C) 231 (D) 235
(E) None of these
19. $12 \times \sqrt{4225} + 212 = ?$
(A) 993 (B) 995
(C) 991 (D) 999
(E) None of these
20. $78121 + 14112 - 53798 = ?$
(A) 38438 (B) 38433
(C) 38435 (D) 38432
(E) None of these
21. $\frac{16 \times 426}{24\% \text{ of } 200} = ?$
(A) 145 (B) 143
(C) 147 (D) 146
(E) None of these
22. $(10503 \div 3) - (7869 \div 3) = ?$
(A) 873 (B) 877
(C) 878 (D) 876
(E) None of these
23. $\frac{7}{15} + 12 + \frac{2}{3} = ?$
(A) $13\frac{4}{15}$ (B) $12\frac{2}{15}$
(C) $12\frac{4}{15}$ (D) $13\frac{2}{15}$
(E) None of these
24. $3535 \div 25 = ?$
(A) 145.3 (B) 143.7
(C) 144.6 (D) 141.4
(E) None of these
25. $\sqrt{155 + 63 - 31 + 254} = ?$
(A) 27 (B) -23
(C) 441 (D) -21
(E) None of these
26. A canteen uses 240 liters of water in 3 days. How many liters of water will they use in 5 days ?
(A) 400 (B) 440
(C) 410 (D) 420
(E) None of these
27. What is the **least** number that can be added to 4600 to make it a perfect square ?
(A) 34 (B) 36
(C) 25 (D) 24
(E) None of these
28. What would be the compound interest obtained on an amount of ₹ 4,000 at the rate of 12 p.c.p.a. after 2 years ?
(A) ₹ 1,019.5 (B) ₹ 1,017.6
(C) ₹ 1,013.4 (D) ₹ 1,016.8
(E) None of these
29. The cost of 8 gel pens and 12 ball pens is ₹ 82. What would be the cost of 36 gel pens and 54 ball pens ?
(A) ₹ 366 (B) ₹ 365
(C) ₹ 369 (D) ₹ 364
(E) None of these
30. Find the average of the following set of scores—
42, 63, 29, 36, 98, 15, 23, 74
(A) 48.3 (B) 43.8
(C) 45.7 (D) 47.5
(E) None of these

31. What will come in place of both the question marks (?) in the following question ?

$$\frac{(\?)^{1.2}}{54} = \frac{108}{(\?)^{1.8}}$$

- (A) 17 (B) 18
(C) 19 (D) 16
(E) None of these
32. Jay scored 33 marks in Marathi, 35 marks in English, 38 marks in Mathematics, 28 marks in Hindi and 26 marks in Social studies. The maximum marks a student can score in each subject is 40. How much percentage did Jay get in this exam ?
- (A) 80 (B) 85
(C) 70 (D) 75
(E) None of these
33. In how many different ways can the letters of the word 'RESULT' be arranged ?
- (A) 360 (B) 5040
(C) 720 (D) 780
(E) None of these
34. The average of five numbers is 51.4. The average of the first and the second number is 30.5. The average of the fourth and the fifth number is 62. What is the third number ?
- (A) 72 (B) 75
(C) 77 (D) 78
(E) None of these
35. If the following fractions are arranged in a descending order (from left to right), which of them will be second from the left end ?
- $$\frac{4}{7}, \frac{3}{13}, \frac{5}{8}, \frac{9}{11}, \frac{5}{12}$$
- (A) $\frac{3}{13}$ (B) $\frac{4}{7}$
(C) $\frac{9}{11}$ (D) $\frac{5}{12}$
(E) $\frac{5}{8}$
36. The ratio between Ritesh's and Sanjay's present ages is 7 : 9 respectively. Six years hence the ratio between their ages will be 4 : 5 respectively. What was Ritesh's age seven years ago ?
- (A) 42 years (B) 35 years
(C) 33 years (D) 38 years
(E) None of these

37. The speed of a bus is $\frac{3}{4}$ th the speed of a car. The car covers 320 km in 5 hours. How much time will the bus take to cover 336 km ?

- (A) 7 hours (B) 9 hours
(C) 12 hours (D) 8 hours
(E) None of these
38. Sangram sets an alarm in two different clocks. The first alarm rings after every 2 hours and the second alarm rings after every 1 hour and 30 minutes. If both the alarms rang together at 1 p.m., what will be the time when they will next ring together ?
- (A) 5:30 p.m. (B) 7 p.m.
(C) 7:30 p.m. (D) 5 p.m.
(E) Cannot be determined

39. If the numerator of a fraction is increased by 200% and the denominator is increased by 300% the resultant fraction is $\frac{9}{20}$. What is the original fraction ?

- (A) $\frac{3}{7}$ (B) $\frac{4}{5}$
(C) $\frac{3}{5}$ (D) $\frac{4}{7}$
(E) None of these
40. Mohan purchased 15 kgs of rice at the rate of ₹ 26 per kg and 8 kgs of pulses at the rate of ₹ 26 per kg. What is the total amount that he paid to the shopkeeper ?
- (A) ₹ 598 (B) ₹ 594
(C) ₹ 596 (D) ₹ 595
(E) None of these

41. The sum of five consecutive odd numbers is 595. What is the sum of the second largest number and twice the smallest number ?
- (A) 355 (B) 351
(C) 357 (D) 353
(E) None of these

42. The ratio between the number of girls and boys in a class is 9 : 11 respectively. What is the percentage of girls in this class ?
- (A) 35
(B) 55
(C) 45
(D) Cannot be determined
(E) None of these

Directions—(Q. 43–45) 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.)

43. $\sqrt{7255} = ?$
(A) 35 (B) 55
(C) 115 (D) 85
(E) 135
44. $7263 \div 14 = ?$
(A) 490 (B) 470
(C) 550 (D) 570
(E) 520
45. $59.899 \times 5.002 \times 14.989 = ?$
(A) 4900 (B) 4100
(C) 3900 (D) 5000
(E) 4500

Directions—(Q. 46–50) What should come in place of the question mark (?) in the following number series ?

46. 1, 2, 6, 24, 120, ?
(A) 740 (B) 724
(C) 744 (D) 728
(E) 720
47. 323, 312, 299, 284, 267, ?
(A) 248 (B) 244
(C) 242 (D) 246
(E) 238
48. 18, 23, 33, 48, 68, ?
(A) 98 (B) 93
(C) 83 (D) 88
(E) 103
49. 783, 747, 722, 706, 697, ?
(A) 695 (B) 691
(C) 693 (D) 696
(E) 692
50. 28, 27.5, 28.5, 27, 29, ?
(A) 31.5 (B) 28
(C) 27.5 (D) 26
(E) 26.5

Answers: Numerical Ability

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