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**IBPS Clerk Prelims 2017- Memory Based Paper
(Quantitative Aptitude)**

DIRECTIONS Q.1 to Q. 5: What should come in place of the question mark (?) in following number series?

1. 155, 130, 150, 135, 145, ?
 - (a) 145
 - (b) 140
 - (c) 125
 - (d) 160
 - (e) 165
2. 6, 4, 5.5, ?, 23
 - (a) 10.25
 - (b) 10.50
 - (c) 9.5
 - (d) 20
 - (e) None of the above
3. 10, 5, 5, 10, 40, ?
 - (a) 335
 - (b) 320
 - (c) 329
 - (d) 330
 - (e) 340
4. 200, 199, 195, 186, ?, 145
 - (a) 175
 - (b) 170
 - (c) 165
 - (d) 160
 - (e) None of the above.
5. 10, 11, 24, 75, 304, ?
 - (a) 1525
 - (b) 1530
 - (c) 1520
 - (d) 1515
 - (e) None of the above
6. Cost price of two articles is same. One is sold at a profit of 15% and the other at Rs.1500 more than the first. If the net profit is 30%, find the cost price of each article.
 - (a) Rs.4500
 - (b) Rs.4600
 - (c) Rs.4800
 - (d) Rs.5000
 - (e) None of these
7. The diagonal of a square is $4\sqrt{2}$ cm. The diagonal of another square whose area is double that of the first square is:
 - (a) 8 cm
 - (b) $8\sqrt{2}$ cm
 - (c) $10\sqrt{2}$ cm
 - (d) $7\sqrt{2}$ cm
 - (e) $5\sqrt{2}$ cm
8. Kishan spends 30% of his salary on food and donates 3% in a charitable trust, he spends Rs.2,310 on these two items, then total salary for that month is:
 - (a) Rs.6,000
 - (b) Rs.8,000
 - (c) Rs.9,000

- (d) Rs.36,000
(e) Rs.7,000
9. A is 45% more efficient than B and can alone do a piece of work in 49 days, find in how much time A and B working together can finish the work.
(a) 35 days
(b) 23 days
(c) 20 days
(d) 29 days
(e) None of these
10. In 80 litres mixture of milk and water the ratio of amount of milk to that of amount of water is 7: 3. In order to make this ratio 2: 1, how many litres of water should be added?
(a) 5
(b) 6
(c) 8
(d) 4
(e) None of these
11. If the sum of 3 consecutive even numbers is 66, then find the product of the least and the greatest of the numbers.
(a) 420
(b) 440
(c) 460
(d) 480
(e) None of these
12. Ratio of speed of a boat in down- stream to the speed of current is 6:1, if the speed of current is 5 km per hr, then find the distance travelled by boat in upstream in 4 hours.
(a) 75 km
(b) 90 km
(c) 80 km
(d) 70 km
(e) 85 km
13. Equal amounts are invested in two schemes A and B for 6 years and 8 years respectively. Scheme A offers Interest at the rate of 12% per annum and scheme B offers interest at the rate of 8% per annum. The difference between the interests earned is Rs. 1280, what is the amount invested in each scheme.
(a) Rs. 16000
(b) Rs. 16500
(c) Rs. 17000
(d) Rs. 18000
(e) None of these
14. Five years ago, the average age of P and Q was 15 years. Average age of P, Q and R today is 20 years. How old will R be after 10 years?
(a) 20 years.
(b) 15 years.
(c) 29 years.
(d) 30 years.
(e) None of these
15. Average of A, B, C is 45, A: B = 2:3, A+B = 95, then find B-C.
(a) 18
(b) 12
(c) 15
(d) 21
(e) 17

DIRECTIONS Q. 16 to Q. 30: What will come in place of question mark (?) in the following question?

16. 12.5% of $350 \times 8.4\%$ of $250 = ?$

- (a) 912.75
- (b) 915.75
- (c) 913.75
- (d) 918.75
- (e) 916.75

17. $(331+19) \times (15-11) \times (37+13) = ?$

- (a) 67600
- (b) 70000
- (c) 69850
- (d) 72000
- (e) None of these.

18. $140\% \text{ of } 500 + 24\% \text{ of } 750 = 1200 \times 37.5\% + ?$

- (a) 360
- (b) 440
- (c) 500
- (d) 430
- (e) None of these.

19. $25\% \text{ of } 7060 + 20\% \text{ of } 2425 = ?\% \text{ of } 3000$

- (a) 55
- (b) 65
- (c) 70
- (d) 75
- (e) None of these.

20. $? \% \text{ of } 5600 - 28\% \text{ of } 3500 = 1988$

- (a) 58
- (b) 55
- (c) 51
- (d) 53
- (e) None of these

21. $32000 \times \frac{3}{4} \times ? \times \frac{1}{2} = 4800$

- (a) $\frac{2}{3}$
- (b) $\frac{3}{5}$
- (c) $\frac{2}{5}$
- (d) $\frac{1}{4}$
- (e) None of these

22. $(8536 - \sqrt{2209}) \times 0.3 = ?$

- (a) 2556.7
- (b) 2456.7
- (c) 2546.7
- (d) 2645.7
- (e) None of these

23. $(3584 \div 32) - 11 = \sqrt{?}$

- (a) 10021
- (b) 12001
- (c) 10221
- (d) 10201
- (e) None of these

24. $? \% \text{ of } 5600 - 28\% \text{ of } 3500 = 1988$

- (a) 58
- (b) 55
- (c) 51
- (d) 53
- (e) None of these

25. $32000 \times \frac{3}{4} \times ? \times \frac{1}{2} = 4800$
 (a) $\frac{2}{3}$
 (b) $\frac{3}{5}$
 (c) $\frac{2}{5}$
 (d) $\frac{1}{4}$
 (e) None of these
26. $348 \div 29 \times 15 + 156 = (?)^2 + 111$
 (a) 12
 (b) 15
 (c) 36
 (d) 9
 (e) None of these.
27. $62^2 - 32^2 + (?)^2 = 3144$
 (a) 17
 (b) 16
 (c) 19
 (d) 15
 (e) None of these
28. $(3584 \div 32) - 11 = \sqrt{?}$
 (a) 10021
 (b) 12001
 (c) 10221
 (d) 10201
 (e) None of these
29. 76% of 1285 = 25% of 1256 + ?
 (a) 686.5
 (b) 662.6
 (c) 547.2
 (d) 533.4
 (e) None of these
30. $28.5 \times 15 - ? = 48\% \text{ of } 1800 - 250$
 (a) 183.5
 (b) -194.5
 (c) -186.5
 (d) 196.5
 (e) None of these

DIRECTIONS Q. 31 to Q. 35: Study the following table carefully and answer the questions on it.

Table shows the number of books sold by five different stores in five days of a week.

| Stores | Monday | Tuesday | Wednesday | Thursday | Friday |
|--------|--------|---------|-----------|----------|--------|
| A | 180 | 140 | 49 | 98 | 58 |
| B | 46 | 59 | 75 | 65 | 41 |
| C | 44 | 66 | 86 | 90 | 80 |
| D | 78 | 34 | 78 | 70 | 75 |
| E | 82 | 65 | 64 | 90 | 120 |

31. Find the ratio of total number of books sold from store D on Monday, Tuesday and Wednesday together to that from store E on Wednesday, Thursday and Friday together.
 (a) 7 : 9
 (b) 11 : 13
 (c) 11 : 12
 (d) 13 : 15
 (e) 11 : 7

-
32. Total numbers of books sold from store B on Wednesday and Thursday together are what percent more or less than total books sold from stores C & D together on Tuesday?
- (a) $27\frac{3}{13}\%$
(b) 40 %
(c) 42%
(d) 50%
(e) None of these
33. Find the difference in total number of books sold from stores C and E together on Wednesday and from store B on Tuesday and Friday together?
- (a) 50
(b) 62
(c) 65
(d) 56
(e) 53
34. Number of books sold on Friday from stores C and D increased by 25% and 15% respectively as compared to the previous day. Find the number of books sold from the stores C and D on Friday?
- (a) 160.25
(b) 182.25
(c) 186.25
(d) 165.25
(e) 172.25
35. What is the average number of books sold from stores B on Monday, C on Wednesday and E on Friday?
- (a) 72
(b) 81
(c) 84
(d) 72
(e) 85

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