

**Memory Based
Paper of
IBPS Clerk Prelims
2018**

Quantitative Aptitude

10POINTER

Your Study Companion

Memory Based Quantitative Aptitude Paper for IBPS Clerk Prelims 2018

Direction: In the following table four persons P,Q,R and S are selling items on different days of week.

	P	Q	R	S
Saturday	45	40	25	20
Sunday	40	55	48	25
Monday	25	20	15	41
Tuesday	35	45	42	39

1. What was the ratio of item sold by P on Saturday & items sold by Q on Sunday?

- (a) 9:11
- (b) 10:13
- (c) 8:11
- (d) 9:13
- (e) None of them

2. Items sold by P on Tuesday is what percent of item sold by S on Sunday?

- (a) 140%
- (b) 130%
- (c) 120%
- (d) 125%
- (e) None of these

3. What is the average of the items sold by P, Q and S on Monday, Tuesday and Saturday respectively?

- (a) 33
- (b) 35
- (c) 28
- (d) 30
- (e) None

4. Find the ratio of item sold by P on Saturday and Sunday to item sold by S on Monday & Tuesday?

- (a) 17:16
- (b) 14:11
- (c) 16:17
- (d) 17:15
- (e) None of these

5. Q sold certain items on Wednesday which was 80% of the total items sold by Q on Saturday and Sunday both. find the items sold by Q on Wednesday.

- (a) 86
- (b) 66
- (c) 76
- (d) 56
- (e) None of these

Directions (6-15): Calculate the exact value of the 'x' in the given following questions.

6. $x^2 + (9^2 + 34) \div 5 = 39$

- (a) 5
- (b) 4
- (c) 8
- (d) 6
- (e) 9

7. $6 \times 16 \times 5 \div 3 - x^2 = 96$

- (a) 6
- (b) 7
- (c) 8
- (d) 9
- (e) 5

8. $\sqrt{124 + x + 168} = 18$

- (a) 27
- (b) 28
- (c) 29
- (d) 30
- (e) 31

9. $28^2 - x^3 = 7^3 + 225$

- (a) 6
- (b) 8
- (c) 4
- (d) 7
- (e) 5

10. $298 - 13^2 - 2^3 = x \times 11$

- (a) 51
- (b) 41
- (c) 21
- (d) 11
- (e) 31

11. $\sqrt[3]{729} + 3\frac{3}{5} \div x = \sqrt{16 \times 9}$

- (a) 1
- (b) 1.4
- (c) 1.2
- (d) 1.6
- (e) 2

12. $x\% \text{ of } 300 + \sqrt{256} = 243 \div 3 + 7$

- (a) 18
- (b) 24
- (c) 16
- (d) 28
- (e) 32

13. $x \times 3 \div 8 = \sqrt[3]{512} \times \sqrt{12^2}$

- (a) 256
- (b) 512
- (c) 64
- (d) 128
- (e) 320

14. $136 \div 2^2 \times x = 17\% \text{ of } 500 \div 10$

- (a) 1
- (b) 0.5
- (c) 0.25
- (d) 0.125
- (e) 1.25

15. $1836 \div x \div 9 = 12$

- (a) 9
- (b) 11
- (c) 13
- (d) 15
- (e) 17

Direction (16 – 20): In the following question, there are two equations. Solve the equations and answer accordingly:

16.

- (i) $x^2 = 196$
- (ii) $y^2 - 26y + 169 = 0$
- (a) If $X > Y$
- (b) If $X < Y$
- (c) If $X \geq Y$
- (d) If $X \leq Y$
- (e) If $X=Y$ or No relation can be established

17.

- (i) $2x^2 - 7x + 5 = 0$
- (ii) $2y^2 + 4y - 6 = 0$
- (a) If $X > Y$
- (b) If $X < Y$
- (c) If $X \geq Y$
- (d) If $X \leq Y$
- (e) If $X=Y$ or No relation can be established

18.

- (i) $x^3 = 343$
- (ii) $y^2 - 196 = 0$
- (a) If $X > Y$
- (b) If $X < Y$
- (c) If $X \geq Y$
- (d) If $X \leq Y$
- (e) If $X=Y$ or No relation can be established

19.

- (i) $x^2 - 5x + 4 = 0$
- (ii) $4y^2 - 7y + 3 = 0$
- (a) If $X > Y$
- (b) If $X < Y$
- (c) If $X \geq Y$
- (d) If $X \leq Y$
- (e) If $X=Y$ or No relation can be established

20.

- (i) $3x^2 + 18x + 24 = 0$
- (ii) $2y^2 - 11y + 15 = 0$
- (a) If $X > Y$
- (b) If $X < Y$
- (c) If $X \geq Y$
- (d) If $X \leq Y$
- (e) If $X=Y$ or No relation can be established

Directions (21-25): What will come in the place of question (?) mark in the following number series.

21. 200, 193, 179, 158, ?, 95

- (a) 135
- (b) 133
- (c) 132
- (d) 130
- (e) 128

22. 3, 43, 81, 115, 143, ?

- (a) 163
- (b) 172
- (c) 166
- (d) 160
- (e) 168

23. 1, 6, 25, 76, 153, ?

- (a) 152
- (b) 154
- (c) 153
- (d) 155
- (e) 156

24. 50, 54, 45, 61, 36, ?

- (a) 66
- (b) 72
- (c) 75
- (d) 80
- (e) 84

25. 9, 45, 180, 540, ?, 1080

- (a) 720
- (b) 900
- (c) 1080
- (d) 1200
- (e) 960

26. A sum becomes 5 times of itself on simple interest in 5 years. What is the rate of interest?

- (a) 100%
- (b) 80%
- (c) 40%
- (d) 20%
- (e) 60%

27. A passenger train that runs at the speed of 78 km/h leaves the station 8 hours after the goods train left and overtakes it is 5 hours. What is the speed of goods train?

- (a) 15 km/h
- (b) 30 km/h
- (c) 60 km/h
- (d) 13 km/h
- (e) 72 km/h

28. In a class of 40 students, the number of boys is 4 more than the number of girls. The average weight of the entire class is 48.4 KGs. If the average weight of girls is 44 KGs, what is the average weight of boys?

- (a) 50 kg
- (b) 51 kg
- (c) 52 kg
- (d) 53 kg
- (e) None of these

29. Sum of the speed of the boat in upstream and downstream is 36km/h. The speed of the stream is 3km/h. find the time taken to cover the 52.5 km upstream, assume the speed of the boat in still water is constant throughout.

- (a) 3 hours
- (b) 4 hours
- (c) 3.5 hours
- (d) 4.5 hrs
- (e) None of these

30. A man invested 15% of his monthly income in LIC and the remaining amount gave to his mother. Her mother spent 10% of it in household expenditure and thus she saved Rs.30,600, then find the monthly salary of the man.

- (a) 41500
- (b) 42800
- (c) 43400
- (d) 40000
- (e) None of these

31. In a city, 68% population is literate in which the ratio of the number of males and the number of females is 11:6. And if the number of illiterate males to the number of illiterate females ratio is 3:1. Find the ratio of literate female to illiterate female.

- (a) 1:3
- (b) 2:1
- (c) 3:1
- (d) 2:3
- (e) None of these

32. A is 1.5 times more efficient than B and C is two times efficient than A. A and B take $7\frac{1}{2}$ days to complete the work. How many days will B & C take to complete the work together?
- (a) $4\frac{1}{6}$ days
(b) $5\frac{2}{3}$ days
(c) $5\frac{5}{6}$ days
(d) $3\frac{5}{6}$ days
(e) None of these
33. In an exam if 7 marks given for right Answer and 4 marks deducted for wrong Answer and total marks given to a student is 263, then how many right Answer given by student if total attempts is 58?
- (a) 44
(b) 45
(c) 42
(d) 40
(e) None of these
34. The difference between Circumference of circle A and diameter is 90 cm. If Radius of Circle B is 7 cm less than A then find area of Circle B?
- (a) 616 cm²
(b) 308 cm²
(c) 77 cm²
(d) 49 cm²
(e) None of these
35. The ratio of the principal and the final amount is 5:8 on simple interest in 5 years. What is the rate of interest?
- (a) 8%
(b) 12%
(c) 24%
(d) 15%
(e) 30%
