

**Memory Based
Paper of
RRB Office
Assistant 2018**

Quantitative

Memory Based Quantitative Paper for RRB Office Assistant 2018

1. The upstream speed of a boat is 18 km/hr which is 500% more than the speed of stream. Find how much distance boat will cover in 3 hours while travelling in downstream.

(a) 66 km
(b) 63 km
(c) 72 km
(d) 75 km
(e) 78 km

2. If $A^2 - B^2 = 252$ and $A + B = 42$ then find the value of 'B'?

(a) 18
(b) 16
(c) 14
(d) 20
(e) 22

3. A alone can do a work in 40 days. The ratio of time taken by A and B to do the same work is 5 : 3. Then, find in how many days both will complete the work together?

(a) 18 days
(b) 12 days
(c) 20 days
(d) 15 days
(e) 10 days

4. A train having speed of 72 km/hr crosses a pole in 18 sec and a platform in 33 sec. Find the length of platform?

(a) 320 m
(b) 300 m
(c) 330 m
(d) 360 m
(e) 350 m

5. The circumference of a circle is 66 cm. Find the approximate area of square if the radius of circle is two times of the side of a square.

(a) 18 cm^2
(b) 32 cm^2
(c) 25 cm^2
(d) 36 cm^2
(e) 28 cm^2

Directions (6-10): What approximate value should come in place of question mark (?) in the following questions?

6. $\sqrt{1443.98} \div 18.98 + 328.1 = ? \times 22.01$

(a) 10
(b) 12
(c) 18
(d) 15
(e) 22

7. $29.98\% \text{ of } 880.001 = ? + 110.9$

(a) 144
(b) 153
(c) 158
(d) 160
(e) 163

8. $(?)^2 + 255.93 = 49.932\% \text{ of } 800.112$

(a) 12
(b) 8
(c) 15
(d) 18
(e) 6

9. $\sqrt[3]{1728.01} + ? = 256.01$

(a) 230
(b) 235
(c) 238
(d) 241
(e) 244

10. $74.91\% \text{ of } ? = (17.932)^2$

- (a) 420
- (b) 425
- (c) 408
- (d) 432
- (e) 444

Directions (11-15): What value should come in place of question mark (?) in the following questions?

11. $?^2 = 4^2 + 8^2 - 31$

- (a) 6
- (b) 7
- (c) 8
- (d) 9
- (e) 10

12. $13 \times 6 + ? \times 4 = 18 \times 7$

- (a) 6
- (b) 8
- (c) 10
- (d) 12
- (e) 14

13. $40\% \text{ of } ? = 25\% \text{ of } 320 + 75\% \text{ of } 160$

- (a) 500
- (b) 400
- (c) 300
- (d) 200
- (e) 100

14. $11^2 + 6^2 = ? + 37$

- (a) 130
- (b) 110
- (c) 120
- (d) 140
- (e) 150

15. $\frac{360}{?} = 12 \times 6 - 33$

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

Directions (16-20): Table given below shows marks obtained by four students in four different subjects in an exam. Study the data carefully and answer the following questions.

Sub. Stu.	English	Hindi	Science	Maths
Paul	65	60	80	65
Aditya	75	75	60	75
Neeraj	85	55	95	85
Sandy	60	60	65	60

16. Marks scored by Sandy in English and Maths together is what percent of the Marks scored by Aditya and Neeraj in English together?

- (a) 25%
- (b) 50%
- (c) 75%
- (d) 100%
- (e) 125%

17. Find the ratio of total marks scored by all four students together in Hindi to total marks scored by all four students together in Science?

- (a) 5 : 6
- (b) 57 : 50
- (c) 1 : 1
- (d) 20 : 19
- (e) 6 : 5

18. Total marks scored by Paul are how much more/less than total marks scored by Neeraj?

- (a) 70
- (b) 60
- (c) 40
- (d) 50
- (e) 80

19. Find the average of the marks scored by Aditya in English, Hindi and Science together?

- (a) 65
- (b) 85
- (c) 80
- (d) 75
- (e) 70

20. If maximum marks for each subject are 100 then find what percentage of total marks is obtained by Sandy?

- (a) 64.25%
- (b) 61.25%

- (c) 67.25%
- (d) 70.25%
- (e) 73.25%

Direction (21-25): There are total five departments in a company. There are total 90 employees in Finance department which is 25% of total employees in the company. $\frac{2}{9}$ of the total employees of the company are working in HR department. Employees working in Sales department is 25% more than that in HR department. Ratio between employees working in Security and Housing department is 4:5.

21. Find number of employees working in HR department is what percent more than number of employees working in Security department?

- (a) 250%
- (b) 200%
- (c) 150%
- (d) 100%
- (e) 50%

22. Find the average number of employees working in Sales, Finance and Housing department?

- (a) 60
- (b) 70
- (c) 80
- (d) 90
- (e) 100

23. Number of employees in Housing department is how much more than number of employees in Security department?

- (a) 10
- (b) 20
- (c) 30
- (d) 40
- (e) 50

24. In Security department, 40% are female employees then find total male employees working in Security department?

- (a) 16
- (b) 40
- (c) 32
- (d) 8
- (e) 24

25. Ratio between total number of male and female employees in HR department is 2:3. Find total number of male employees working in HR department?

- (a) 32
- (b) 48
- (c) 64
- (d) 40
- (e) 56

26. An article was sold at a discount of 20% at Rs. 1020. If the article was sold at discount of Rs. 199 in place of 20% discount then find the selling price.

- (a) Rs. 1066
- (b) Rs. 1076
- (c) Rs. 1086
- (d) Rs. 1096
- (e) Rs. 1094

27. The total age of A, B and C four years hence will be 98 years. Find the age of C four years hence if the present age of A and B is 32 years and 23 years respectively.

- (a) 31 yr.
- (b) 32 yr.
- (c) 35 yr.
- (d) 37 yr.
- (e) 33 yr.

28. A invests Rs. 12,000 for X months while B invests Rs. 16,000 for 9 months in a scheme. The profit share of B is Rs. 12,000 out of total profit Rs. 21,000. Then find the value of X?

- (a) 6 months
- (b) 9 months
- (c) 8 months
- (d) 7 months
- (e) 10 months

29. A mixture of milk and water contains 60% milk and remaining water. How much water should be added (in percentage) in mixture to reverse the proportion of milk and water?

- (a) 25%
- (b) 37.5%
- (c) 62.5%
- (d) 75%
- (e) 50%

30. The simple interest on a certain sum for 2 years at 8% per annum is Rs. 225 less than the compound interest on the same sum for 2 years at 10% per annum. The sum is:

- (a) Rs. 3200
- (b) Rs. 4200
- (c) Rs. 4000
- (d) Rs. 3600
- (e) Rs. 4500

Direction (31-35): Find the wrong number in the given number series questions.

31. 100, 118, 136, 149, 160, 167, 172

- (a) 172
- (b) 160
- (c) 100
- (d) 118
- (e) 136

32. 1.5, 2.5, 6, 24, 100, 505, 3036

- (a) 1.5
- (b) 6
- (c) 100
- (d) 3036
- (e) 2.5

33. 160, 80, 80, 120, 240, 600, 900

- (a) 240
- (b) 120
- (c) 160
- (d) 900
- (e) 600

34. 5040, 2520, 840, 210, 42, 8, 1

- (a) 8
- (b) 5040
- (c) 840
- (d) 1
- (e) 42

35. 15, 17, 26, 151, 200, 929, 1050

- (a) 17
- (b) 1050
- (c) 15
- (d) 929
- (e) 26

36. Direction: What value should come in place of question mark (?) in the following questions?

$$?2 = 42 + 82 - 31$$

- (a) 6
- (b) 7
- (c) 8
- (d) 9
- (e) 10

37. Direction: What value should come in place of question mark (?) in the following questions?

$$13 \times 6 + ? \times 4 = 18 \times 7$$

- (a) 6
- (b) 8
- (c) 10
- (d) 12
- (e) 14

38. Direction: What value should come in place of question mark (?) in the following questions?

$$40\% \text{ of } ? = 25\% \text{ of } 320 + 75\% \text{ of } 160$$

- (a) 500
- (b) 400
- (c) 300
- (d) 200
- (e) 100

39. Direction: What value should come in place of question mark (?) in the following questions?

$$112 + 62 = ? + 37$$

- (a) 130
- (b) 110
- (c) 120
- (d) 140
- (e) 150

40. Direction: What value should come in place of question mark (?) in the following questions?

$$360 / ? = 12 \times 6 - 33$$

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