

QUANTITATIVE APTITUDE QUESTIONS



IBPS RRB CLERK 2019

MEMORY BASED PAPER

Directions (1 - 4): Find the wrong number in the given series

1) 1, 2, 5, 16, 65, 328, 1957

- a) 65
- b) 1957
- c) 328
- d) 16
- e) 5

2) 4, 11, 25, 46, 74, 129, 151

- a) 151
- b) 74
- c) 46
- d) 129
- e) 25

3) 84, 96, 83, 95, 80, 94, 81

- a) 81
- b) 80
- c) 94
- d) 95
- e) 83

4) 3, 5, 8, 17, 33, 58, 94

- a) 5
- b) 8
- c) 17
- d) 33
- e) 58

5) A's salary is one - third of B's salary and each of them spend 15%

of their salary for rent and remaining amount they had together is Rs. 40800, then find A's rent amount

- a) Rs.1200
- b) Rs.1500
- c) Rs.1600
- d) Rs.1800
- e) Rs.1080

Directions (6 - 10): Study the following information carefully and answer the given questions.

The table shows the number of cell phones serviced by four different shops (A, B, C and D) in four different months (May, June, July and August).

	A	B	C	D
May	424	668	525	216
June	516	454	252	309
July	328	712	363	439
August	224	384	486	618

6) What is the difference between the total cell phones serviced by shop A in all the months together to that of the total cell phones serviced by shop C in all the months together?

- a) 164
- b) 153

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- c) 149
- d) 134
- e) None of these

7) Number of x model cell phones serviced by shop B and C in June month is 48 and 64 respectively. What is the difference between the cell phones serviced by shop B and C in the same month other than the x model cell phones?

- a) 218
- b) 296
- c) 323
- d) 418
- e) None of these

8) Find the average number of cell phones serviced by shop A in all the given months together.

- a) 299
- b) 217
- c) 319
- d) 423
- e) 373

9) What is the ratio of the total number of cell phones serviced by shop A and B in July together to that of the total number of cell phones serviced by shop C and D in August together?

- a) 65: 69
- b) 63: 62
- c) 59: 57
- d) 43: 49

- e) 39: 41

10) Total number of cell phones serviced by all the shops together in July is approximately what percentage of the total number of cell phones serviced by all the shops together in August?

- a) 190%
- b) 80%
- c) 70%
- d) 108%
- e) 132%

Directions (11 - 20): What value should come in the place of questions mark in the given questions?

11) $2^3 * 3^2 \div (90 \div ?) = \sqrt{64}$

- a) 15
- b) 12
- c) 10
- d) 20
- e) 24

12) $(2 \frac{1}{4} \div 4) * 8 = ? * 10$

- a) 0.30
- b) 0.45
- c) 0.84
- d) 0.36
- e) 0.24

13) $(? - 0.5) \div 0.2 = 120 \div 2$

- a) 15
- b) 25
- c) 36
- d) 6.25
- e) 12.5

14) 80% of $(1.5 * 4 \div ?) = 24$

- a) 0.4
- b) 0.6
- c) 2
- d) 20
- e) 0.2

15) $\sqrt{5929} + \sqrt{8464} = x^2$

- a) 13
- b) 12
- c) 11
- d) 16
- e) 15

16) $5/8$ of $4/9$ of $3/5$ of 222 = x

- a) 43
- b) 29
- c) 41
- d) 37
- e) 39

17) $\sqrt{(x + 4)} = 1/4 * 8^2$

- a) 288
- b) 324
- c) 252
- d) 216
- e) 312

18) $(\sqrt{361 \div 19}) * (\sqrt{729 \div 9}) = ?$

- a) 2
- b) 3
- c) 9
- d) 6
- e) 12

19) $(\sqrt[3]{2197 \div 32 (1/2)}) * \sqrt{625} * (?) = 1000$

- a) 50

b) 25

c) 10

d) 100

e) None of these

20) $(\sqrt{1296 \div 64}) * (\sqrt[3]{3375 \div 45}) = ? \div 48$

a) 3

b) 9

c) 12

d) 18

e) 16

21) A vessel contains 64 litres of pure milk and 20 litres of water. One - fourth of the mixture is taken out and x litres of pure milk is added in the vessel. What is the value of x if milk is 4 times the water in the final mixture?

a) 16 litres

b) 12 litres

c) 24 litres

d) 21 litres

e) 32 litres

22) A man sells a tea cup at a profit of 12%. If he bought it 20% less and sold it for Rs. 6 more, he would have gained 50%. Find the cost price of the tea cup.

a) Rs.100

b) Rs.50

c) Rs.75

d) Rs.125

e) Rs.150

Directions (23 - 26): Following question contains two equations as I and II. You have to solve both equations and determine the relationship between them and give answer as,

- a) If $x > y$
- b) If $x \geq y$
- c) If $x = y$ or relationship can't be determined.
- d) If $x < y$
- e) If $x \leq y$

23) I. $x^2 - 17x + 72 = 0$

II. $y^2 - 17y + 70 = 0$

24) I. $x^2 - x - 42 = 0$

II. $y^2 + y - 30 = 0$

25) I. $x^2 - 9x + 20 = 0$

II. $y^2 - 15y + 54 = 0$

26) I. $2x^2 - 7x + 3 = 0$

II. $y^2 - 7y + 12 = 0$

27) A train crosses a 450 m platform in 80 seconds and crosses a man in the platform in 20 seconds. Find the length of the train.

- a) 200 m
- b) 300 m
- c) 450 m
- d) 150 m
- e) None of these

28) The difference between simple interest and compound interest accrued on an amount of Rs. 1800 in

2 years was Rs. 30.42. What is the rate of interest per annum?

- a) 11%
- b) 13%
- c) 12%
- d) 14%
- e) None of these

29) In what ratio must a shopkeeper have to mix the two varieties of rice costing Rs. 25 and 35 per kg respectively so as to get a mixture worth Rs. 32 per kg?

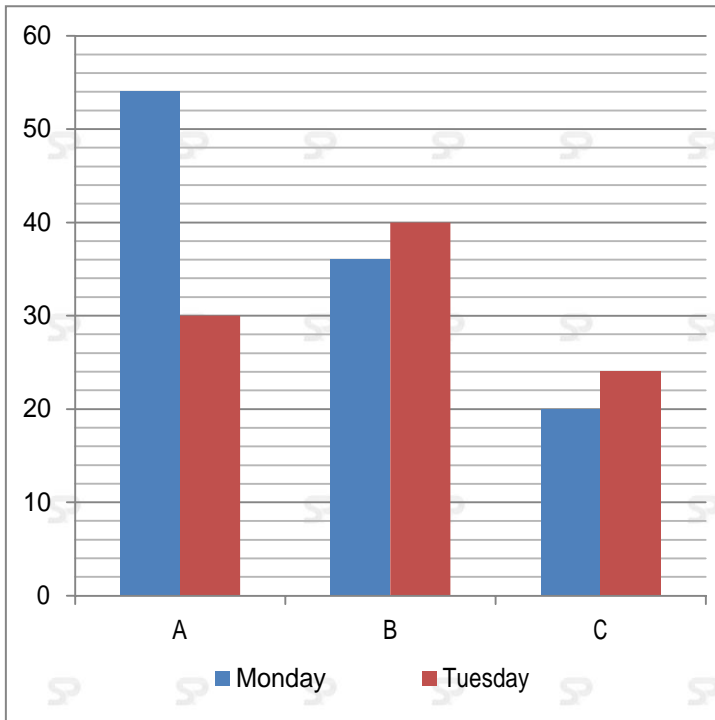
- a) 4: 7
- b) 5: 7
- c) 3: 7
- d) 7: 5
- e) None of these

30) Average number of chocolates distributed in a class of 40 students is 4. How many students added newly if the each of them gets 2 chocolates?

- a) 20
- b) 24
- c) 30
- d) 40
- e) 12

Directions (31 - 35): Study the following information carefully and answer the given questions.

The bar graph shows the distance (in km) covered by three buses (A, B and C) in two different days (Monday and Tuesday).



31) What is the ratio of the total distance covered by bus B and C in Monday to that of the total distance covered by bus A and B in Tuesday?

- a) 5: 6
- b) 3: 2
- c) 2: 5
- d) 4: 5
- e) 1: 4

32) What is the difference between the total distance covered by bus C in both the days together to that of the total distance covered by bus A in both the days together?

- a) 36
- b) 24
- c) 40
- d) 12
- e) 28

33) Distance covered by bus C in Monday is what percentage of the distance covered by bus B in Tuesday?

- a) 30%
- b) 45%
- c) 60%
- d) 75%
- e) None of these

34) Find the total distance covered by all the bus together in Monday.

- a) 112
- b) 110
- c) 120
- d) 84
- e) 56

35) Distance covered by A on Monday is what percentage more/less than the distance covered by same bus on Tuesday?

- a) 60%
- b) 40%
- c) 80%
- d) 50%
- e) 75%

36) A is 6 years younger than B. The ration between the present ages of B and C is 12: 5. If the present age of A is twice the present of C then find the present age of B.

- a) 24 yrs
- b) 30 yrs
- c) 20 yrs

- d) 36 yrs
- e) 10 yrs

37) A boat travels upstream a distance of 36 km in 2 hrs and downstream a distance of 66km in 3 hrs. Find the speed of boat in still water.

- a) 18 km/hr
- b) 20 km/hr
- c) 24 km/hr
- d) 36 km/hr
- e) None of these

38) Circle A has perimeter 110cm and circle B has perimeter 132cm find the difference of their radius.

- a) 3.5 cm
- b) 4.5 cm
- c) 2.5 cm
- d) 1.5 cm
- e) 5.5 cm

39) Two pipes can empty a tank in 36

min and 60 min. If both the pipes are opened, then in how much time can they fill $\frac{1}{6}$ of the tank?

- a) $\frac{12}{5}$ minutes
- b) $\frac{17}{3}$ minutes
- c) $\frac{18}{5}$ minutes
- d) $\frac{10}{3}$ minutes
- e) $\frac{15}{4}$ minutes

40) Two trains Start from the same point and at the same time. Both go in opposite direction that is one goes in north direction and the other goes in south direction. Their speeds are 18 m/s and 12m/s. In how much time the distance between them will become 367.2 km.

- a) 3.4 hours
- b) 4.2 hours
- c) 1.7 hours
- d) 5.1 hours
- e) 2.8 hours