

# Memory Based Question Paper Set of

## IBPS CLERK PRELIMS EXAM 2017 –

### Quantitative Aptitude

D.1-5) What should come in place of question mark (?) in the given questions

Q.36)  $(584 + 257) = (?)^2$

- a) 27
- b) 31
- c) 29
- d) 28
- e) 26

Q.37)  $4829 + 289 - 728 = x + 2183$

- a) 2171
- b) 2272
- c) 2189
- d) 2321
- e) 2207

Q.38)  $\frac{9 \times 27}{81} + 13 = 2^?$

- a) 3
- b) 2
- c) 8
- d) 4
- e) 5

Q.39)  $\frac{3}{14}$  of  $\frac{7}{17}$  of  $\frac{4}{21}$  of 5712 = ?

- a) 47
- b) 94
- c) 96
- d) 49
- e) 98

Q.40)  $\frac{\frac{2}{?^3}}{24} = \frac{9}{\frac{7}{?^3}}$

- a) 6
- b) 5
- c) 8
- d) 12
- e) 7



**D.6-15) Find the approximate value of x in the given questions**

Q.6)  $42.98 + 3894.92 - 721.99 = 2943.96 + x$

- a) 298
- b) 272
- c) 284
- d) 265
- e) 256

Q.7)  $\frac{15.9 \times 95.9}{24.03} + 16.9 = 3^x$

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

Q.8)  $14.99\% \text{ of } 200 \times 20.09\% \text{ of } 249.987 = x$

- a) 1300
- b) 1500
- c) 1800
- d) 1200
- e) 1600

Q.9)  $(18.9 \times 1.99) + 29.98 = 2x$

- a) 36
- b) 32
- c) 34
- d) 30
- e) 28

Q.10)  $(92.9 + 583.3)^{\frac{1}{2}} = (\sqrt{x})^2$

- a) 27
- b) 22
- c) 24
- d) 26
- e) 28

Q.11)  $(220.99 + 24.07) \times (19.09 - 16.99) \times (79.01 - 69.02) = (?)^2$

- a) 70
- b) 60
- c) 80
- d) 75
- e) 65

Q.12)  $\frac{49.9\% \text{ of } 500.09 + 2499.99}{24.99} + 15 = (?)^3$

- a) 4
- b) 6
- c) 13
- d) 11
- e) 5

Q.13)  $12.5\% \text{ of } 300 + 7.1\% \text{ of } 200 = x$

- a) 51.5
- b) 65.5
- c) 75.5
- d) 41.5
- e) 61.5

Q.14)  $7989.99 + 289.09 - 2839.97 = 2909.99 + 10x$

- a) 239
- b) 241
- c) 253
- d) 272
- e) 268

Q.15)  $12.99 \times 299.98 + 99.9\% \text{ of } 234.99 = x$

- a) 4135
- b) 4775
- c) 3935
- d) 4025
- e) 4225

**D.16-20) Find the missing number in the given questions**

Q.16) 38, 19, 19, 38, 152, ?

- a) 1220
- b) 1216
- c) 1225
- d) 1208
- e) 1212

Q.17) 6, 7, 18, 63, 268, ?

- a) 1340
- b) 1240
- c) 1365
- d) 1395
- e) 1265

Q.18) 136, 138, 143, 153, 170, ?

- a) 196
- b) 197
- c) 194
- d) 198
- e) 201

Q.19) 3, 11, 35, 107, 323, ?

- a) 983
- b) 981
- c) 971
- d) 972
- e) 941

Q.20) 4.5, 8, 14, 25, 46, ?

- a) 97
- b) 96
- c) 76
- d) 86
- e) 87

**D.21-25) Read the following information and answer the given questions.**

The following table shows the sale of laptops of different companies during the period of 2012 to 2017. (Sale of laptops is given in thousands):

Year/company	2012	2013	2014	2015	2016	2017
P	27	32	41	57	53	61
Q	24	21	39	31	38	59
R	22	29	28	23	47	48
S	26	37	35	19	43	39
T	17	48	45	48	52	42
U	19	22	47	51	31	29

Q.21) Total number of laptops sold by all companies in the year 2014 is approximately what percentage of total number of cars sold by company R in this whole period?

- a) 132%
- b) 112%
- c) 107%
- d) 119%
- e) 128%

Q.22) Total number of laptops sold by company S in all six years is approximately what percentage of total number of laptops sold in the year 2014 and 2015 together?

- a) 43%
- b) 53%
- c) 38%
- d) 33%

e) 61%

Q.23) What is the average number of laptops sold by company T during this whole period.

- a) 45000
- b) 54000
- c) 48000
- d) 36000
- e) 42000

Q.24) What is the difference between the average number of laptops sold in the year 2013 and the average number of number of laptops sold in the year 2012?

- a) 9000
- b) 6000
- c) 10000
- d) 11000
- e) 8000

Q.25) Average number of laptops sold by all companies in the year 2016 is approximately what percentage of total number of laptops sold by company U in the year 2015?

- a) 94%
- b) 66%
- c) 86%
- d) 72%
- e) 78%

Q.26) A sum of money invested in two schemes, in scheme A with principle Rs.  $x$  at the interest rate of 12% per annum for 2 years and in scheme B with principle Rs.  $x + 2800$  at the interest rate of 15% per annum for 2 years. The difference between the interest received from scheme A and scheme B is Rs.960, find the value of  $x$ .

- a) Rs. 4000
- b) Rs. 2000
- c) Rs. 3000
- d) Rs. 5000
- e) Rs. 8000

Q.27) The ratio of speed of boat in downstream and speed of boat in still water is 8:7. The speed of boat in still water is 21 km/hr, find the distance travelled upstream in 6 hours.

- a) 104 km
- b) 108 km
- c) 116 km
- d) 96 km
- e) 124 km

Q.28) The sum of four consecutive even numbers is greater than three consecutive odd numbers by 101. If the sum of last odd and even number is 53, then find the sum of smallest odd and even number.

- a) 43
- b) 45
- c) 41
- d) 47
- e) 49

Q.29) The average age of A and B, 4 years ago was 23 years. If the age of A, 6 years hence is same as the present age of B and B is 7 years elder to C, then find the difference between the age of A and C.

- a) 12 years
- b) 13 years
- c) 15 years
- d) 17 years
- e) 19 years

Q.30) A can do a work in 36 days, B is 20% more efficient than A, if C can do the work in 30 more days than B, find the days taken by A and C together to complete the work.

- a) 18.5 days
- b) 22.5 days
- c) 24 days
- d) 24.5 days
- e) 20 days

Q.31) The average of X, Y and Z is 26,  $X: Y = 3: 4$ ,  $X + Y = 42$ , then find  $Z - X = ?$

- a) 18
- b) 24
- c) 36
- d) 12
- e) 30

Q.32) The cost price of two articles is same, trade man got a profit of 50% on the first article, selling price of the second article is 30% less than the first article, then find the overall profit percentage.

- a) 32.5%
- b) 20%
- c) 22.5%
- d) 25%
- e) 27.5%

Q.33) The ratio of alcohol to water is 3: 1. If six litres of water is added, the ratio becomes 2:1, then find a new quantity of water in the mixture?

- a) 30 litres
- b) 36 litres
- c) 12 litres
- d) 18 litres
- e) 24 litres

Q.34) The annual salary of selva is 8.64 lakhs, If he spends Rs. 31000 on his children,  $\frac{1}{17}$ th of rest in food, Rs.64000 of rest in mutual funds, then find the monthly saving he is left with.

- a) Rs. 60000
- b) Rs. 48000
- c) Rs. 72000
- d) Rs. 84000
- e) Rs. 96000

Q.35) The length of a rectangle is 80% of a diagonal of the square whose area is  $2025 \text{ m}^2$ , then find the area of a rectangle if its perimeter is  $108\sqrt{2} \text{ m}$ .

- a)  $1196 \text{ m}^2$
- b)  $1384 \text{ m}^2$
- c)  $1456 \text{ m}^2$
- d)  $1296 \text{ m}^2$
- e)  $1156 \text{ m}^2$

