

## PERCENTAGE :

1) If 50% of  $P = 25\%$  of  $Q$ , then  $P = x\%$  of  $Q$ . Find  $x$ .

- (a) 0.5
- (b) 20
- (c) 50
- (d) 30
- (e) 10

2) If  $20\%$  of  $(P + Q) = 50\%$  of  $(P - Q)$ , then find  $P : Q$

- (a) 7:8
- (b) 7:3
- (c) 7:5
- (d) 5:7
- (e) 1:5

3) If  $90\%$  of  $A = 30\%$  of  $B$  and  $B = 2x\%$  of  $A$ , then the value of  $x$  is

- (a) 450
- (b) 400
- (c) 300
- (d) 150
- (e) 105

4) B got 20% marks less than A. what percent marks did A got more than B?

- (a) 20%
- (b) 25%
- (c) 12%
- (d) 80%
- (e) 90%

5) If  $x$  earns 25% more than  $y$ . What percent less does  $y$  earn than  $x$ ?

- (a) 16%
- (b) 10%
- (c) 20%
- (d) 25%
- (e) 11%

6) Two numbers are respectively  $12\frac{1}{2}\%$  and 25% more than a third number. The first number is what percentage of second number is

- (a) 50
- (b) 60

- (c) 75
- (d) 90
- (e) 25

7) Radha spends 40% of her salary on food, 20% on house rent, 10% on entertainment and 10% on conveyance. If her savings at the end of a month are Rs.1500, then her salary per month (in Rs.) is

- (a) Rs.8500
- (b) Rs.9500
- (c) Rs.7500
- (d) Rs.5500
- (e) Rs.6500

8) Keshav spent Rs.55475 on his birthday party, Rs.28525 on buying home appliances and the remaining 25% of the total amount he had as cash with him. What was the total amount?

- (a) Rs.200000
- (b) Rs.112000
- (c) Rs.221000
- (d) Rs.250000
- (e) Rs.152000

9) Ms. Sujata invests 7% i.e., Rs.2710, of her monthly salary in mutual fund.

Later she invests 18% of her monthly salary in recurring deposits. Also,

she invests 6% of her salary on NSC's. What is the total annual amount invested by Ms. Sujata?

- (a) Rs.123500
- (b) Rs.112050
- (c) Rs.113560
- (d) Rs.115320
- (e) Rs.114600

10) In an examination, a candidate must secure 40% marks to pass. A candidate, who gets 220 marks, fails by 20 marks. What are the maximum marks for the examination?

- (a) 33.44%
- (b) 44.44%
- (c) 43.64%
- (d) 33.33%
- (e) 45.44%

11) A number increased to  $137\frac{1}{2}\%$  gives 33. The number is ?

- (a) 22
- (b) 24

- (c) 25
- (d) 27
- (e) 23

12) Two numbers are less than a third number by 30% and 37% respectively. How much percent is the second number less than the first ?

- (a) 10%
- (b) 3%
- (c) 7%
- (d) 4%
- (e) 8%

13) The price of sugar is increased by 20%. If the expenditure is not allowed to increase. Then ratio between the reduction in consumption and the original consumption ?

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

14) Water tax is increased by 20% but its consumption is decreased by 20%. Then the increase or decrease in the expenditure of the money is ?

- (a) No change
- (b) 5% decrease
- (c) 4% increase
- (d) 5% increase
- (e) 4% decrease

15) The population of a town is 8000. It increases by 10% during first year and by 20% during the second year. The population after 2 years will be ?

- (a) 10400
- (b) 10560
- (c) 10600
- (d) 19620
- (e) None of these

16) The population of a town increases 4% annually but is decreased by emigration annually to the extent of  $\frac{1}{2}\%$ . What will be the increase percent in three years ?

- (a) 9.8
- (b) 10
- (c) 10.5

(d) 10.8

(e) 9.2

17) Wheat is now being sold at ₹ 27 per kg. During last month, its cost was ₹ 24 per kg. Find by how much per cent a family reduced its consumption, so as to keep the expenditure fixed.

(a) 10.2%

(b) 12.1%

(c) 12.3%

(d) 11.11%

(e) 11.4%

18) A man's wages were decreased by 50%. Again the reduced wages were increased by 50%. He has a loss of ?

(a) 0%

(b) 2.5%

(c) 0.25%

(d) 25%

(h) none of these

19) A student multiplied a number by  $\frac{2}{5}$  instead of  $\frac{5}{2}$ . What is the percentage error in the calculation ?

(a) 85%

(b) 82%

(c) 86%

(d) 84%

(e) 89%

20) An agent sells goods of value of ₹ 15000. The commission which he receives at the rate of  $12\frac{1}{2}\%$  is?

(a) Rs.1875

(b) Rs.2125

(c) Rs.2000

(d) Rs.2700

(e) None of the above

