



### THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

**Q.1. Solve the following questions: (6x5=30)**

- Two drums contain 35 l and 45 l of water respectively. What will be maximum capacity of a container that exactly measures the water in two drums?
- Three bells toll at an interval of 4, 5, and 6 seconds. After how much time will they toll together?
- A project can be completed by 150 workers in 40 days. But project manager brought 30 more workers after 16 days. In how many days will the remaining work be finished?
- Sajjad paid  $\frac{3}{8}$  of his salary as a house rent. Find percentage of house rent and of remaining amount.
- Azeem bought 90 eggs for Rs. 315, 10 eggs were rotten. He sold the eggs at the rate of Rs. 4 per egg. Find if Azeem is in profit or loss and also find its percentage.
- Komal bought a suit on the sale price Rs. 450. When the marked price was Rs. 525, find the discount percentage.

**Solve the following questions. (3x10=30)**

**Q.2.** Tahir started a business with a capital of Rs. 15,000. After 5 month Umer also joined him with an investment of Rs. 30,000. At the start of 9 month's Usman joined them by investing Rs. 45,000. At the end of the year, they earned a profit of Rs. 406000. Find the share of each one.

**Q.3.** If numerator and denominator of a fraction are increased by 5, the fraction becomes  $\frac{1}{2}$  and if numerator and denominator are decreased by 3, the fraction becomes  $\frac{2}{5}$ . Find the fraction.

**Q.4.** The following data tables list the marks obtained by the two classes in the course of Mathematics.

Class-1											
48	40	44	36	38	38	52	40	48	48	31	37
40	36	37	37	49	39	47	40	38	35	46	
43	40	47	49	70	65	50	73	49	47	48	

Class-2											
33	37	32	32	36	32	39	46	45	41	22	39
39	43	40	40	49	42	36	51	44	43	46	
40	50	52	56	56	48	47	52	57	47	43	

Find the means of both the classes and compare the results. Which class has performed better?