

# HERAMB COACHING CLASSES

**FYBCOM/ MATHEMATICS**

**Marks: 30**

**Duration: 1Hr**

**Date: 27/10/2018**

**ATTEMPT ANY 6 FROM THE FOLLOWING:**

**Q.1.** Calculate the quartile deviation for the following distribution:

Marks	:	0-10	10-20	20-30	30-40	40-50
No. of Students	:	10	10	16	10	4

**Q.2.** Calculate mean deviation from the median, for the following data:

Weight	:	5-10	10-15	15-20	20-25	25-30	30-35
No. of Items	:	7	20	30	35	8	2

**Q.3.** Calculate M.D. from the mean for the following data:

Age (years)	:	20-24	24-28	28-32	32-36	36-40
No. of Persons	:	4	7	20	6	3

**Q.4.** Given below is the wage distribution of 100 workers. Find the Mean and Standard Deviation.

Wages (Rs.)	:	200-250	250-300	300-350	350-400	400-450	450-500
No. of Workers	:	11	15	27	25	18	4

**Q.5.** Calculate Standard Deviation and Coefficient of Variation from the following distribution:

Class	:	0-10	10-20	20-30	30-40	40-50	50-60
Frequency	:	3	7	7	10	6	2

**Q.6.** The mean and standard deviation of two distributions of 100 and 150 items are 10, 5 and 40, 6 respectively. Find the standard deviation of all the 250 items taken together.

**Q.7.** For a group of 50 male workers, the mean and standard deviation of their weekly wages are Rs.63/- and Rs.9/- respectively. For a group of 40 female workers, are Rs.54/- and Rs.6/- respectively. Find the standard deviation for the combined group of 90 workers.