

# HERAMB COACHING CLASSES

**FYBCOM/ MATHEMATICS**
**Marks: 30**
**Duration: 1Hr**
**Date: 28/09/2018**
**ATTEMPT ANY SIX**

Q.1. Find the Arithmetic Mean for the following data:

Age (yrs.)	:	10-19	20-29	30-39	40-49	50-59	60-69	70-79
No. of Persons	:	8	14	22	25	18	9	4

Q.2. In a Health Club there are 100 members: 50 men, 40 women and 10 children. It was observed that the average weight of men, women and children are 60 kgs., 48 kgs., and 32 kgs. respectively. Find the combined average weight of the Club.

Q.3. The mean weight of 98 students as calculated from a frequency distribution was found to be 50kg. It is later discovered that frequency of the class intervals 30-40 was wrongly taken as 8 instead of 10. Calculate the correct arithmetic mean.

Q.4. Calculate the median age for the following distribution:

Age (years)	:	20-25	25-30	30-35	35-40	40-45
No. of Persons	:	70	80	180	150	20

Q.5. For the following distribution, calculate Q.1, Q.3 and Median.

Income	:	100-200	200-300	300-400	400-500	500-600	600-700
No. of Persons	:	120	200	170	220	100	90

Q.6. From the following data calculate the first quartile, third quartile and median.

Marks (less than )	No. of Persons
10	9
20	15
30	25
40	32
50	41
60	50

Q.7. Find the modal value of marks from the following data:

Marks	:	0-10	0-20	20-30	30-40	40-50
No. of Students	:	5	6	15	12	7

Q.8. Calculate the median wage from the following distribution :

Wage (Rs.)	:	5-9	10-14	15-19	20-24	25-29	30-34	35-39
No. of Workers	:	4	13	29	47	19	12	6

Q.9. The following data represents age distribution of 72 employees of a company. Find the average age.

Age in Years	20-25	25-30	30-35	35-40	40-45	45-50	50-55
No. of Persons	8	13	20	16	8	4	3

Q.10. The mean of 200 items was 50. Later on it was discovered that two items were misread as 92 and 8 instead of 192 and 88 respectively. Find the correct mean.