DATA ANALYSIS AND STATISTICAL TECHNIQUES

Duration: 45 minutes   Marks: 15

Q1)Answer <u>ANY 2</u> of the following questions: (5×2=10)

A) Find arithmetic mean, mode and median for the following data.

C.I	Frequency
10-20	2
20-30	5
30-40	6
40-50	3

B) Find Q_1, D_6 for the following data.

Weights(kgs)	45-50	50-55	55-60	60-65	65-70	70-75
No. of students	16	17	20	21	14	12

C) Compute Q_3 and P_{48} for the given data.

C.I	15-25	25-35	35-45	45-55	55-65
f	10	12	18	5	15

Q2) Answer <u>ANY 1</u> of the following questions: (5×1=5)

A) Draw a frequency polygon for the following data.

C.I	10-20	20-30	30-40	40-50	50-60	60-70
f	14	12	18	13	15	18

B) Draw less than cumulative frequency curve for the following data.

Wages	30-40	40-50	50-60	60-70	70-80	80-90	90-100
No. of wages	1	3	11	21	43	32	9

Locate Median on the graph.