

Gokhale Education Society's
Dr T K Tope Arts and Commerce College, Parel, Mumbai 400012
FYBCOM Sem-I

Subject: OE-II: - Introduction to Basic Statistics-I

Q.1) Attempt any one of the following (10 marks each)

10 m

1) For the following frequency distribution, obtain cumulative frequencies, relative frequencies and the relative cumulative frequencies. Also draw a frequency polygon for the given data:

Class Interval	30-50	50-70	70-90	90-110	110-130	130-150
Frequency	08	15	25	16	7	4

2) Find the mean deviation from the mean and standard deviation

x	11	12	13	14	15	16	17
f	3	6	10	8	5	3	2

Q.2) Attempt any two of the following (5 marks each)

10 m

1) Find Mode for the following data:

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students	15	20	40	20	10	04

2) The following are the marks of 50 students. Prepare cumulative frequency distributions of both the types.

Marks	No. of Students
0-10	7
10-20	11
20-30	19
30-40	7
40-50	6
Total	50

3) Find the quartile deviation for the following data

Marks	0-10	10-20	20-30	30-40	40-50
No. of students	22	38	46	35	19

Q.3) Attempt any two of the following (5 marks each)

10 m

1) Write a short note on Classification

2) The average marks of a group of 100 students in Accountancy are 60 and for another group of 50 students, the average marks are 90. Find the average marks of combined group of 150 students.

3) Calculate standard deviation for the following data

x	7	8	9	10	11	12	13
f	3	7	15	20	13	8	5