

IX - Mathematics Assignment No-02 - Graphical - Representation of Statistical data

(Q11) The rainfall recorded in a city are as follows, in various years

Year	2000	2001	2002	2003	2004
Rainfall (in cm)	5.8	9.5	4.2	6.2	7.1

Depict this information in the form of bar graph.

(Q12) Draw a histogram for the following data

C.I.	25-29	30-34	35-39	40-44	45-49	50-54
F	5	15	23	20	10	7

Draw the histogram of the following data

(Q13)

CI	0-10	10-30	30-40	40-70	70-100	100-150
F	4	7	5	8	6	10

(Q4) The marks scored by the students in an examination are given in the form of a frequency distribution table as below

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students	8	7	10	7	8	5

Represent this data in the form of a frequency polygon after drawing the histogram.

(Q5) Draw a histogram and a frequency polygon of the marks secured by eighty students of a school in the final examination out of 400

Marks	355	345	335	325	315	305
Class-marks						
No. of Students	2	5	15	17	12	29

(Q6) Represent the following information in the form of a frequency curve.

Marks secured	Below 10	Below 20	Below 30	Below 40	Below 50
No. of Students	15	22	39	46	50

(Q7) Construct an ogive for the following data

CI	2-5	5-8	8-11	11-14	14-17	17-20
F	3	1	5	8	2	1

(Q8) Draw an ogive and a frequency polygon for the following data of 300 patients treated in a hospital on a certain day:

Age (in years)	60-70	50-60	40-50	30-40	20-30	10-20
Number of Patients	80	70	35	45	30	40

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(Q9) The following are the scores of two groups of a certain class in a test given below. Construct a frequency polygon for each of these two groups on the same axes.

Scores	32-34	35-37	38-40	41-43	44-46	47-49	50-52
class mark	33	36	39	42	45	48	51
Group A	13	12	20	18	15	10	4
Group B	22	17	12	8	4	3	2

(Q10) Construct an ogive for the following Distribution

Marks obtained	C.f.
0 OR More	100
10 " "	96
20 " "	78
30 " "	68
40 " "	26
50 " "	06