IX – Mathematics Assignment No-01 – Graphical Representation of Statistical Data

(Q1) Draw a bar graph of the following data

Months	Jan	Feb	March	April	May	June
Export of bags (in Lakh)	3.5	5.7	8.0	7.5	6.0	4.3

(Q2) Draw a bar chart for the following data

Days	Mon	Tue	Wed	Th	Fri	Sat	Sun
Expenditure (in Rs)	40	55	87	100	95	75	45

(Q3) Draw the histogram of the following frequency distribution.

Wages (in Rs)	50–100	100–150	150–200	200–250	250–300	300–350	350–400
No. of persons	30	45	60	75	40	35	15

Cont Pg-2

(Q4) Construct a histogram for the following frequency distribution.

Marks	0-20	20-40	40-60	60-80	80-100
Number of Students	14	17	11	10	8

(Q5) The time taken in seconds to solve a problem on Maths by each of 25 Students are as follows.

30, 33, 37, 42, 43, 46, 64, 52
40, 38, 49, 48, 46, 50, 53, 60
59, 58, 28, 27, 26, 20 20, 46, 16.

(i) Construct a frequency distribution for these data, using a class-interval of 10 seconds

(ii) Draw a histogram to represent the frequency distribution.

Cont-Pg-3 →

(Q6) Draw the histogram of the following data

Marks	0-10	10-30	30-45	45-50	50-60
No. of Students	8	32	18	10	6

(Q7) Construct a histogram for the following data

Class mark	150	160	170	180	190	200
No. of Students	8	10	25	12	7	3

(Q8) The following distribution presents the number of illiterate men in a town as follows. Construct a histogram for this data

Age group	10-14	15-19	20-24	25-29	30-34
No. of Men	350	800	750	550	290

Cont-Pg-4

(Q9) Construct a frequency polygon for the following distribution.

Scores	32-34	35-37	38-40	41-43	44-46	47-49
Frequency	13	12	20	19	17	15

(Q10) Following is the distribution of ages (in years) of two groups of teachers in a Secondary School.

Ages (in years)	Number of teachers	
	Group A	Group B
20-25	3	13
25-30	6	10
30-35	8	8
35-40	7	12
40-45	11	6
45-50	9	13
50-55	6	6
55-60	4	4

Represent the above data by means of frequency polygon for each group on the same axes.

Downloaded from www.studiestoday.com