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Paper prepared by

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Section A MCQ – 1 Mark Each

- Q.1 In a grouped frequency distribution the class intervals are 1, 5, 9, 13, 17.... . The class width is
- (a) 5.5 (b) 10 (c) 9 (d) 11
- Q.2 A data is such that its minimum value is 86 and range is 22 , then the maximum value is
- (a) 54 (b) 811 (c) 118 (d) None of these
- Q.3 Mean of 20 observations is 35. If 25 is subtracted from the each. Now mean is
- (a) 10 (b) 5 (c) 20 (d) None of these
- Q.4 In a continuous frequency distribution, class mark of a class is 75 and lower limit is 73, then its upper limit is
- (a) 76 (b) 74 (c) 73 (d) 77

Section B – 2 Mark Each

- Q.5 The median of following observations, arranged in ascending order, is 25. Find x.
- 11, 13, 15, 19, $x + 2$, $x + 4$, 30, 35, 39, 46

Section C – 3 Mark Each

- Q.6 The average rates of silver (in Rs.) per kg. Are given below for some months:

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Month	Average cost per kg.
Jan.	8100
Feb.	7800
Mar.	8000
Apr.	8300
May	8400
June	8200

Draw a graph to depict the above data

- Q.7 A study was conducted to find out the concentration of sulphur dioxide in the air in parts per million of a certain city. The data obtained for 30 days is as follows:

0.03 0.08 0.08 0.09 0.04

0.17 0.16 0.05 0.02 0.06

0.18 0.20 0.11 0.08 0.12

0.13 0.22 0.07 0.08 0.01

Section D – 4 Mark Each

- Q.8 The runs scored by two teams A and B on the first 60 balls in a cricket match are given below:

Number of balls	Team A	Team B
0-6	2	5
6-12	1	6
12-18	8	2
18-24	9	10
24-30	4	5
30-36	5	6
36-42	6	3
42-48	10	4
48-54	6	8
54-60	2	10

Represent the data of both the teams on the same graph by frequency polygons.

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Q.9 Draw a histogram from the following data:

Class interval	Frequency
21-24	12
26-29	14
31-34	8
36-39	15
41-44	12
46-49	10

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