



Assignment

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Date: __ / __ / __

Name: _____

Max Marks: 25

Section- A (One Marks Each)

- 1 The relative humidity (in percent) of a certain city for 10 days is as follows:
96.2, 84.9, 90.2, 95.7, 98.3,92.1,97.3,89,97.3,93.5
What is the range of this data?
- 2 The marks scored by 20 students in a test are given below:
20,26,49,44,12,17,22,10,5,47,33,32,23,34,45,16,4,8,21,28
How many students scored less than 20 marks?
- 3 In a frequency distribution, the mid- value of a class is 10 and the width of the class is 6.
What is the lower limit of the class?
- 4 The class marks of a frequency distribution are given as follows:
15,20,25,----
What is the class corresponding to the class mark 20?
- 5 A grouped frequency table with class intervals of equal sizes, using 250-270 (270 not included in this interval) as one of the class intervals, is constructed for the following data:

268	220	368	258	242	310	272	342
310	290	300	320	319	304	402	318
406	292	354	278	210	240	330	316
406	215	258	236				

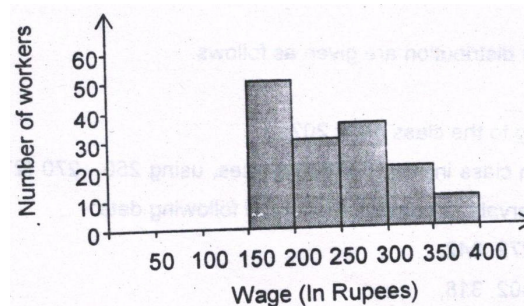
What is the frequency of the class 310- 330?

Section-B (Two Marks Each)

- 6 The class marks of a distribution are as follow:
5,15,25,35,45,55
Determine the : a) Class size b) Class limits
- 7 The monthly wages (in Rs) of 30 workers in a factory are given below:
830,835,890,810,835,836,869,894,898,890,820,860,832,833,855,845,804,808,812,840,885,835,836,878,840,868,890,806,840,890.
a) Form a frequency distribution table with class size 10.
b) Find the cumulative frequency.
- 8 Convert the given frequency distribution into a continuous grouped frequency distribution and find the cumulative frequency:

Class interval	150-153	154-157	158-161	162-165	166-169	170-173
frequency	7	7	15	10	5	6

- 9 The given histogram represents the daily wages of workers in a factory. Construct a frequency distribution table with their respective class marks.



- 10 A group of 30 children was asked about the number of hours they watched TV last week. The result were recorded us under.

Number of hours	0-5	5-10	10-15	15-20
Frequency	8	16	4	2

Can we say that there are 24 children who watched TV for 10 or more hours last week? Justify your answer.

Section-C (Three Marks Each)

- 11 The table below shows the number of students belonging to different age groups. Draw the histogram to represent this data.

Age (in years)	No of children
1-2	10
2-3	4
3-5	6
5-7	12
7-10	6
10-15	10

- 12 In a country, the expenditure (in Rs. Crores) on education during the period 2002-2006 is given. Represent this data using a bar graph.

Elementary Education	240
Secondary Education	120
University Education	190
Teacher's Training	20
Social Education	10
Other Educational programmes	115
Cultural programmes	25
Technical Education	125

Section-D (Four Marks Each)

- 13 In a cricket match, the runs scored by two teams A and B for the first 60 balls are as follow. Represent the data of both the teams on the same graph by using frequency polygons.

No of balls	Team A	Team B
1-6	3	6
7-12	2	1
13-18	9	10
19-24	5	12
25-30	6	1
31-36	10	3
37-42	6	5
43-48	2	4
49-54	8	8
55-60	9	4