



Assignment

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Date: __ / __ / __

Name: _____

Max Marks: 20

Section- A (One Marks Each)

- 1 A set of data includes the following values:19,30,5,21,42,13,10,27,35,34,18 and 19, find the median.
- 2 If the mode and the mean of certain data are 3.5 and 4 respectively, then the median is
- 3 A student draws a cumulative frequency curve for the marks obtained by 50 student of a class. The median of the marks obtained by the students of the class is
- 4 The point of intersection of the ogives (more than ogive and less than ogive type) is given by (28.5 ,37.5). What is the median?
- 5 For the following distribution, the sum of the lower limits of the median class and the modal class is

Class	0-5	5-10	10-15	15-20	20-25
Frequency	10	15	12	20	9

- 6 For the following distribution, the modal class is

Marks	Number of student
Below 10	3
Below 20	12
Below 30	27
Below 40	57
Below 50	75
Below 60	80

Section-B (Two Marks Each)

- 7 Find the median of the following data.

Marks scored	20	29	28	33	42	38	43	25
Number of student	6	28	24	15	2	4	1	20

- 8 Find the mode of the given data.

0-20	20-40	40-60	60-80	80-100	100-120
10	35	52	61	38	29

Section-C (Three Marks Each)

- 9 Find the median of the following

Age in years	Numbers of girls
Below 20	2
Below 25	6
Below 30	24
Below 35	45
Below 40	78
Below 45	89
Below 50	92
Below 55	98
Below 60	100

data.

- 10 The median of the following data is 550. Find the value of f .

Class interval	Frequency
0-100	2
100-200	5
200-300	4
300-400	12
400-500	17
500-600	20
600-700	f
700-800	9
800-900	7
900-1000	4

Section-D (Four Marks Each)

- 11 The distribution of height (in cm) of 96 children is given below.

Height (in cm)	Number of children
124-128	5
128-132	8
132-136	17
136-140	24
140-144	16
148-152	6
152-156	4
156-160	3
160-164	1

Draw a less than type cumulative frequency curve for this data, and use it to compute the median height of the children.

