

Chapter 1 – Organisation of Data

Question 1

Mentioned below are the marks acquired by 40 employees during their assessment. Arrange the marks in ascending and descending order.

10	15	18	15	9	6	5	3	9	6
22	15	12	20	1	5	6	4	10	3
21	12	11	19	3	10	10	26	19	10
10	17	28	22	5	21	17	8	9	11

Answer:

Marks in Ascending Order:

1,3,3,3,4,5,5,5,6,6,6,8,8,9,9,10,10,10,10,10,10,11,11,12,12,15,15,15,17,17,18,19,19,20,21,21,22,22,26,28

Marks in Descending Order:

28,26,22,22,21,21,20,19,19,18,17,17,15,15,15,12,12,11,11,10,10,10,10,10,10,9,9,8,8,6,6,6,5,5,5,4,3,3,3,1

Question 2

Students height in inches for 35 students are given below. Arrange the following data in an individual frequency sequence.

60	72	68	68	58	55	50	72	55	50	66	66
62	55	66	66	58	72	72	60	55	60	55	58
60	66	72	72	60	68	55	58	65	60	68	55

Answer:

In the form of frequency distribution, the given data can be arranged as follows.

Heights (in inches)	Marks	Frequency
50	<i>II</i>	2
55	<i>IIII</i> <i>I</i>	7
58	<i>IIII</i>	4
60	<i>IIII</i> <i>I</i>	6
62	<i>I</i>	1
65	<i>I</i>	1
66	<i>IIII</i>	5
68	<i>IIII</i>	4

47	37	45	54	42	35	37	32	65	75
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Answer:

In the form of frequency distribution, the given data can be arranged as follows.

*Class Interval	Tally Marks	Frequency
10-20	III	5
20-30	III	5
30-40	III III	10
40-50	IIII I	6
50-60	II	2
60-70	I	1
70-80	I	1
		$\Sigma f = 30$