

Solutions for Class 9 Maths Chapter 22 Tabular Representation of Statistical Data

(i) Runs in an ascending order:

0, 0, 0, 0, 6, 15, 15, 15, 15, 26, 34, 34, 34, 34, 35, 39, 42, 42, 47, 48, 48, 53, 54, 64, 64, 64, 67, 71, 71, 82, 90, 124, 139.

(ii) Highest Score = 139

(iii) 3 times, he did not scored any run.

(iv) He scored 3 centuries.

(v) He scored more than 50 runs 12 times.

Exercise 22.2

Question 1: Define cumulative frequency distribution.

Solution:

A table which displays the manner in which cumulative frequencies are distributed over various classes.

Question 2: Explain the difference between a frequency distribution and a cumulative frequency distribution.

Solution:

Frequency distribution is a method to represent raw data in the form from which one can easily understand the information contained in a raw data, where a table which plays the manner in which cumulative frequencies are distributed over various classes is called a cumulative frequency distribution.

Question 3: The marks scored by 55 students in a test are given below:

Marks	0-5	5-10	10-15	15-20	20-25	25-30	30-35
No. of students	2	6	13	17	11	4	2

Prepare a cumulative frequency table.

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Solution:

Cumulative frequency table from the given data:

Marks	No. of students	Marks	Cumulative Frequency
0-5	2	Less than 5	2
5-10	6	Less than 10	8
10-15	13	Less than 15	21
15-20	17	Less than 20	38
20-25	11	Less than 25	49
25-30	4	Less than 30	53
30-35	2	Less than 35	55
	N=55		