Sylhet Cadet College
Fortnightly Examination - 2022
Class: XI
Subject: Statistics First Paper

Time: 40 minutes   **Subject Code: 129**   **Full Marks: 15**

Answer all the questions. Figures in the right indicate full marks.

1. **The arithmetic mean of first six values of a data set is 40 and that of first four numbers is 20. What is the arithmetic mean of the last two numbers?**   3

2. **Find the 3rd quartile and 64th percentile from the followingh data and interpret.**   2

    15, 13, 9, 22, 2, 30, 11, 8, 27, 25, 16

3. **Frequency distribution of marks in statistics of a college is given in the following table.**

Marks	Number of Students Group - A	Number of Students Group - B
25-30	11	10
30-35	18	16
35-40	21	22
40-45	26	28
45-50	14	9

    (a) What is data   1

    (b) What are the disadvantages of secondary data?   2

    (c) Calculate the arithmetic mean of Group - A   3

    (d) Compute the combined mean. Is it greather than the arithmetic mean of Group - B? Explain the possible reason(s).   4