

Sylhet Cadet College
Fortnightly Examination - 2023
Class: XI

Subject: Statistics First Paper
Subject Code: 129

Time: 40 minutes

Full Marks: 15

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

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

Marks	Number of Students	Number of Students
	Group - A	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 greater than the arithmetic mean of Group - B?
Explain the possible reason(s). | 4 |
2. If $u_i = x_i + y_i$, find \bar{x} in terms of u . 1
3. For two numbers, $AM = 25$ and $GM = 15$. $HM = ?$ 1
4. $Y_i = 3X_i$. If $G_y = 9$, $G_x = ?$ [G stands for Geometric Mean] 2
5. Median score of 50 students is 70. What does it mean? 1

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