Sylhet Cadet College

Fortnightly Examination - 2023

Class: XI

Full Marks: 15

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Subject: Statistics First Paper Subject Code: 129

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

Time: 40 minutes

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1. 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
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

$\begin{array}{c} {\rm Sylhet~Cadet~College} \\ {\rm Fortnightly~Examination~-~2023} \\ {\rm ~Class:~XI} \\ {\rm Subject:~Statistics~First~Paper} \end{array}$

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