

**Sylhet Cadet College**  
**Fortnightly Examination - 2022**  
**Class: XI**  
**Subject: Statistics First Paper**  
**Subject Code: 129**

**Time: 40 minutes**

**Full Marks: 20**

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

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1. **No. of monthly road crashes in 24 districts of Bangladesh were as follows:**

13, 12, 6, 8, 15, 18, 17, 24, 28, 23, 27, 23  
21, 20, 15, 18, 23, 25, 23, 13, 17, 18, 19, 18

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|--|---|
| (a) What is data?  | 1 |
| (b) Write two differences between primary and secondary data.    | 2 |
| (c) Construct a stem and leaf plot from data.                    | 3 |
| (d) Make a histogram using the stem and leaf plot and interpret. | 4 |
2. **List six methods of primary data collection.** 2
3. **Construct a frequency distribution from the following data and then find interpret relative and cumulative relative frequency.** 8
- Use Sturges methods to determine the number of class.

32, 33, 47, 55, 20, 51, 27, 36, 38, 24, 26, 33, 42, 38, 15  
45, 31, 45, 68, 49, 41, 52, 30, 17, 43, 57, 36, 48, 39, 42