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

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**Time: 40 minutes**        **Subject Code: 129**        **Full Marks: 20**

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

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

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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 diffeences 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 and interpret relative and cumulative relative frequencies.**        8
   Use Sturges methods to determine the number of class.

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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

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