Answer three (03) questions only
Calculators can be used   **Time: Two (02) hours**
This paper contains five (05) questions and two (02) pages

1. a) Explain the difference between data and information by giving examples.

(04 marks)

b) Explain with examples any three (03) facts that should be considered when using data.

(06 marks)

c) Briefly explain why data is important to the social science researchers.

(10 marks)

2. a) Explain the whole process from data collection to data analysis by citing examples.

(14 marks)

b) Briefly examine the types of data that can be classified according to the scale of measurement by citing examples.

(06 marks)

3. a) Briefly explain the importance of secondary data in social science research.

(06 marks)

b) Select one of the most suitable methods of primary data collection to conduct a research on current social, economic, political or cultural phenomenon in Sri Lanka and examine the suitability of the selected method to achieve the given research objective by providing an appropriate example.

(14 marks)

4. a) Briefly explain the facts that should be considered when presenting data and preparing a list of reference in a research report.

(08 marks)

b) Explain the sections to be included when writing a research report by taking a suitable research topic.

(12 marks)

5. Age distribution of 30 farmers living in a village is given below:

39	64	45	34	60	48	64	30	37	43	36	61
47	68	31	62	50	48	67	43	61	35	59	48
54	56	48	61	37	48

a) Calculate mean, median and mode for above data.

(09 marks)

b) Explain the difference between normal distribution and skewed distribution.

(06 marks)

OR

Explain the importance of editing in data processing.

(06 marks)

c) Briefly explain the difference between uni-variate and bi-variate analyses.

(05 marks)

OR

Explain the importance of standard deviation in data analysis.

(05 marks)