

University of Colombo

Faculty of Arts

Bachelor of Arts Degree Examination – First Year

End Semester Examination – Semester II - 2016/2017

DMG/FND 1202: Introduction to Data Analysis

Answer three (03) questions only.

Time: Two Hours (02)

This paper contains five (05) questions and two (02) pages.

Calculators can be used.

1. a) Explain how data is misused by citing examples. (08 Marks)
b) Explain the importance of the use of data in social sciences. (12 Marks)
2. a) Discuss the factors to be considered in presenting data, citing examples. (05 Marks)
b) Explain the importance of the use of quantitative and qualitative data in social science research citing examples. (15 Marks)
3. It has been reported that the majority of mothers with children of school going age in area X are migrating to the Middle East countries for employment. Suppose you need to conduct a study to examine the impact of mothers' migration on their school going children.
 - a) According to your opinion state the best method/ methods to collect data for this study and explain reasons for selecting those method/methods. (10 Marks)
 - b) Explain the information that you are going to collect, using the method/methods that you have selected. (10 Marks)

4. The daily wages of the workers of the company A is given below.

Daily wages (rupees)	Number of workers
3,000-4,000	10
4,000-5,000	16
5,000-6,000	13
6,000-7,000	25
7,000-8,000	10
8,000-9,000	06

a) Calculate the following measures using the above data.

- I. Mode
- II. Median
- III. Mean
- IV. Interpret the results you obtained.

(15 Marks)

b) Explain the importance of standard deviation in data analysis.

(05 Marks)

5. a) Explain the process of a survey from the stage of data collection to report writing.

(10 Marks)

b) Explain the steps that should be followed in preparing a research report.

(10 Marks)