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**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES**

**B.Sc. (General) Degree in Health Promotion
First Year - Semester II Examination – October/November 2017**

HPT 1110 – RESEARCH METHODOLOGY

Time: One and a half (1 ½) hours

Answer ALL questions.

1. a) Giving examples, discuss the statement “Research is a systematic process”.
(30 marks)
- b) Outline the differences between observational and experimental research designs.
(25 marks)
- c) Using examples, justify the statement “Literature review helps to create better research questions”.
(25 marks)
- d) Explain the advantages of having a data analysis plan before data collection.
(20 marks)
2. Write short notes on the following;
 - a) data analysis plan
(25 marks)
 - b) use observations as a data collection method in community research
(25 marks)
 - c) ethical considerations when using references in research proposal writing
(25 marks)
 - d) in-depth interviews.
(25 marks)

3. A research is planned to identify risk factors of obesity among adult females in the north central province of Sri Lanka. The researchers are planning to use a questionnaire. The questions below relate to this study.

- a) Discuss advantages of using a questionnaire. **(25 marks)**
- b) Suggest the best questionnaire type, interviewer administered or self-administered? Explain reasons for your choice. **(25 marks)**
- c) Suggest a sampling method for above study and provide reasons for your choice. **(25 marks)**
- d) Describe the advantages of calculating sample size before starting data collection. **(25 marks)**

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