



**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 1210 – RESEARCH METHODOLOGY**

**Time: Two (02) hours**

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**Answer ALL questions.**

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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)

4. A group of researchers is interested in exploring the experience of rural women on domestic violence. Their aim is to understand why the women do not contact available supportive services when incidents of violence happen. The questions below relate to this study.

a) Researchers have suggested doing a qualitative study. Do you agree with this selection? Provide reasons for your answer. (25 marks)

b) Suggest the best sampling method and provide reasons for your answer. (25 marks)

c) Providing reasons recommend a data collection method. (25 marks)

d) Outline potential ethical issues. (25 marks)

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