



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

**B.Sc. (General) Degree in Health Promotion**  
**First Year – Semester II Examination – February/March, 2013**

**HPT 1110 - RESEARCH METHODS**

**Time: 1 ½ hours**

**Answer all three (03) questions**

1. a) What are the three main questions that should be answered when you narrow down a broad research topic to a manageable research problem? (30 marks)
- b) What are the differences between Google and Google Scholar? (30 marks)
- c) Explain primary and secondary sources in literature review. (40 marks)
  
2. A researcher wants to reduce risk taking behaviours among adolescents through improved engagement in competitive sports. He selected Mihintale MOH area for this study. He wants to know the prevalence of risk taking behaviours, present engagement of adolescents in competitive sport, and the barriers that are present, for them to engage in competitive sports.
  - a) For the proposed study, write down :
    - i. a general objective (20 marks)
    - ii. three specific objectives (30 marks)
  - b) Explain the difference between the study population and the study sample (20 marks)
  - c) Define a study sample for this study (10 marks)
  - d) What is the difference between “probability” and “non probability” sampling techniques? (20 marks)

3. a) What is a variable? (20 marks)
- b) Write 5 important variables for the study proposed in 2.a. (20 marks)
- c) What are the differences between qualitative and quantitative variables? (20 marks)
- d) What is meant by the term, "operationalization of variables"? (20 marks)
- e) Operationalize a variable you have mentioned in 3.b., assuming that you are using a self administered questionnaire. (20 marks)