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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 – February/March 2019**

**HPT1210 – RESEARCH METHODS**

**Time: Two (02) hours**

Answer **ALL** questions.

01. Explain giving reasons, the most appropriate data collection method for each of the following research studies.

- a) A study to estimate the prevalence and to identify the determinants of low birth weight in a rural area. (20 marks)
- b) A study to assess current knowledge of mothers of young children on early child development practices. (20 marks)
- c) A study to assess hand hygiene practices in pre-schools of Anuradhapura area. (20 marks)
- d) A study to explore the experience, attitudes and perceptions of field health care workers (PHI & PHM) on anti-social behaviour of alcohol users. (20 marks)
- e) A study to estimate the prevalence of sexually transmitted diseases (STDs) among population under 25 years of age in an urban district of Sri Lanka. (20 marks)

02. Write short notes on following.

- a) Using observations as a data collection method in community research (25 marks)
- b) Importance of conducting literature review in research planning (25 marks)
- c) Importance of developing a data analysis plan before data collection (25 marks)
- d) Main differences between qualitative and quantitative research designs (25 marks)

03. A research is planned to identify risk factors of obesity among adult females in North Central province of Sri Lanka with a questionnaire survey. With appropriate reasons answer the following.

- a) Outline a research hypothesis for this study. (15 marks)
- b) Explain the best questionnaire type you would suggest for this study. (30 marks)
- c) Propose a suitable sampling method. (25 marks)
- d) Discuss the advantages of calculating sample size before commencing the data collection. (30 marks)

04. A research has planned to understand why patients with chronic kidney diseases (CKDu) are not participating in hospital clinics regularly. The researcher has decided to adopt the qualitative research method to investigate the problem.

- a) Discuss why the researcher has chosen the qualitative research method. (25 marks)
- b) Suggest the best sampling method and data collection method for the study. Justify your answers. (50 marks)
- c) Outline the potential ethical issues of this study. (25 marks)

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