

THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
THE ACADEMIC YEAR 2023/ 2024 – SEMESTER I



BACHELOR OF PHARMACY HONOURS
FMU5210 RESEARCH METHODOLOGY LEVEL 5
FINAL EXAMINATION
DURATION: TWO (02) HOURS

DATE: 22ND MARCH 2024

TIME: 9.30 A.M. – 11.30 A.M.

Part B – 02 Short Answer Questions (20 Marks)

1.

1.1 Differentiate qualitative and quantitative research studies. (04 marks)

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1.2 What is the “external validity” of a research? (03 marks)

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1.3 What is the “internal validity” of research? (03 marks)

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2.

2.1 List three (03) main ethical considerations for research involves human participants? (03 marks)

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2.2 Differentiate “double-blind study” and “single- blind study” (03 marks)

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2.4 Briefly state the main process in following phases of clinical trials. (04 marks)

Phase I

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Phase II

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Phase III

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Phase IV

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Index No:

Part C – 02 SEQs (60 Marks)

1. Assume that you are interested in conducting research on “hospital pharmacists’ knowledge, attitudes, and practices on patient counseling in Sri Lanka”.

Based on the above study topic, answer the following questions.

- 1.1 Construct the appropriate research question for this research. (05 marks)
- 1.2 Develop a general objective and two (02) specific objectives for this study. (10 marks)
- 1.3 What is the most appropriate study design for the above study? (05 marks)
- 1.4 Provide a brief explanation for the selected study design in question 1.3 (05 marks)
- 1.5 What is the most appropriate sampling strategy for this study and give the reasons to select that sampling strategy. (05 marks)

2.

- 2.1 What is the importance of using questionnaires in research studies? (04 marks)
- 2.2 Briefly state six (06) factors which should be considered in developing a questionnaire for a study. (06 marks)
- 2.3 Identify three (03) primary characteristics of an effective questionnaire. (06 marks)
- 2.4 Assume that you are developing a questionnaire to collect data for your undergraduate research project. Provide a brief overview of the key steps involved in developing the questionnaire. (14 marks)