THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
THE ACADEMIC YEAR 2022/ 2023 – SEMESTER I

31 MAR

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

DATE: 31ST MARCH 2023 TIME: 2.00 P.M. – 04.00 P.M.

INDEX NO: .....

Part B – 02 Short Answer Questions (20 Marks)

1.

1.1 Name three (03) main characteristics of research. (03 marks)

.....

.....

.....

.....

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

.....

.....

.....

.....

1.3 Name three (03) types of tools (sources) that can be used to collect data for a qualitative study. (03 marks)

.....

.....

.....

Index No: .....

2. Define the following terms in relation to research.

2.1 Population (02 marks)

.....

.....

.....

2.2 Sample (02 marks)

.....

.....

2.3 Inclusion criteria (02 marks)

.....

.....

2.4 Exclusion criteria (02 marks)

.....

.....

2.5 Variable (02 marks)

.....

.....

Index No: .....

Part C – Structured Essay Questions (60 Marks)

1. Assume that you are interested in conducting a research on "pharmacists' knowledge, attitudes, and practices on cold chain management of vaccines at Regional Medical Supplies Divisions in Sri Lanka". Based on this research topic, answer the following questions.

1.1 Construct the appropriate research question for this research project. (05 marks)

1.2 Develop an appropriate general objective and two (02) specific objectives for this research project. (10 marks)

1.3 What is your suggestion on study design for this research project? (05 marks)

1.4 Briefly explain the reasons for selecting the study design that you mentioned in question 1.3 (05 marks)

1.5 Briefly explain the following.

1.5.1 Sampling strategy for this study.

1.5.2 Reasons for selecting the sampling strategy mentioned in question 1.5.1. (05 marks)

2.

2.1 Name two (02) types of errors that can be encountered in collecting data for a research. (05 marks)

2.2 Briefly describe errors mentioned in question 2.1 by giving examples. (10 marks)

2.3 Imagine that you are conducting a research to evaluate the effectiveness of a new drug "A" to reduce high blood pressure. You administer the drug "A" to a group of patients and a placebo to another group of patients.

2.3.1 What is the study design used in the above research? (02 marks)

2.3.2 Briefly state the reason for using the study design you mentioned in question 2.3.1 (03 marks)

2.3.3. Briefly explain the ethical concerns that you should consider in the above research. (10 marks)