THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
THE ACADEMIC YEAR 2024/ 2025 – SEMESTER I

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

DATE: 25TH APRIL 2025 **TIME: 9.30 A.M. – 11.30 A.M.**

Part B – 02 Short Answer Questions (20 Marks)

1.

1.1 Define the following terms.

1.1.1 Population (02 marks)

.....

.....

1.1.2 Sample (02 marks)

.....

.....

1.1.3 Inclusion criteria (02 marks)

.....

.....

1.1.4 Exclusion criteria (02 marks)

.....

.....

1.2 List two (02) characteristics of a good sample. (02 marks)

.....

.....

.....

Index No: .....

2.

2.1 List the five (05) main steps of the scientific method in research. (05 marks)

.....

.....

.....

.....

.....

2.2 Write the five (05) main features of a good objective in research. (05 marks)

.....

.....

.....

.....

.....

Index No: .....

Part C – 02 SEQs (60 Marks)

1.

1.1 Differentiate between qualitative and quantitative research approaches. (06 marks)

1.2 State five (05) factors that should be considered when deciding the sample size for an analytical study. (05 marks)

1.3 Briefly explain the three (03) different types of variables. (06 marks)

1.4 Name the variables for the above-mentioned types for the given statement below. (06 marks)

"People with higher levels of education have better awareness of over-the-counter medicines."

1.5 State the components of a research proposal. (07 marks)

2. Assume that you are interested in conducting research on "knowledge, attitudes, and practices on asthma medicines among patients attending the asthma clinics at National Hospital, Sri Lanka". Based on the above study topic, answer the following questions.

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

2.2 Develop a suitable general objective and two (02) specific objectives for this research. (10 marks)

2.3 What is the most appropriate study design for the above study? (05 marks)

2.4 Briefly explain the reasons for the answer provided in question 2.3. (05 marks)

2.5 Give is the most appropriate sampling strategy for this study and briefly explain the reasons for selecting that sampling strategy. (05 marks)