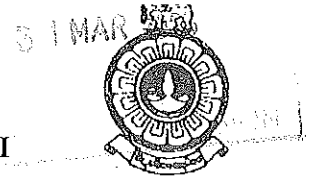


THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
THE ACADEMIC YEAR 2022/ 2023 – SEMESTER I



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)

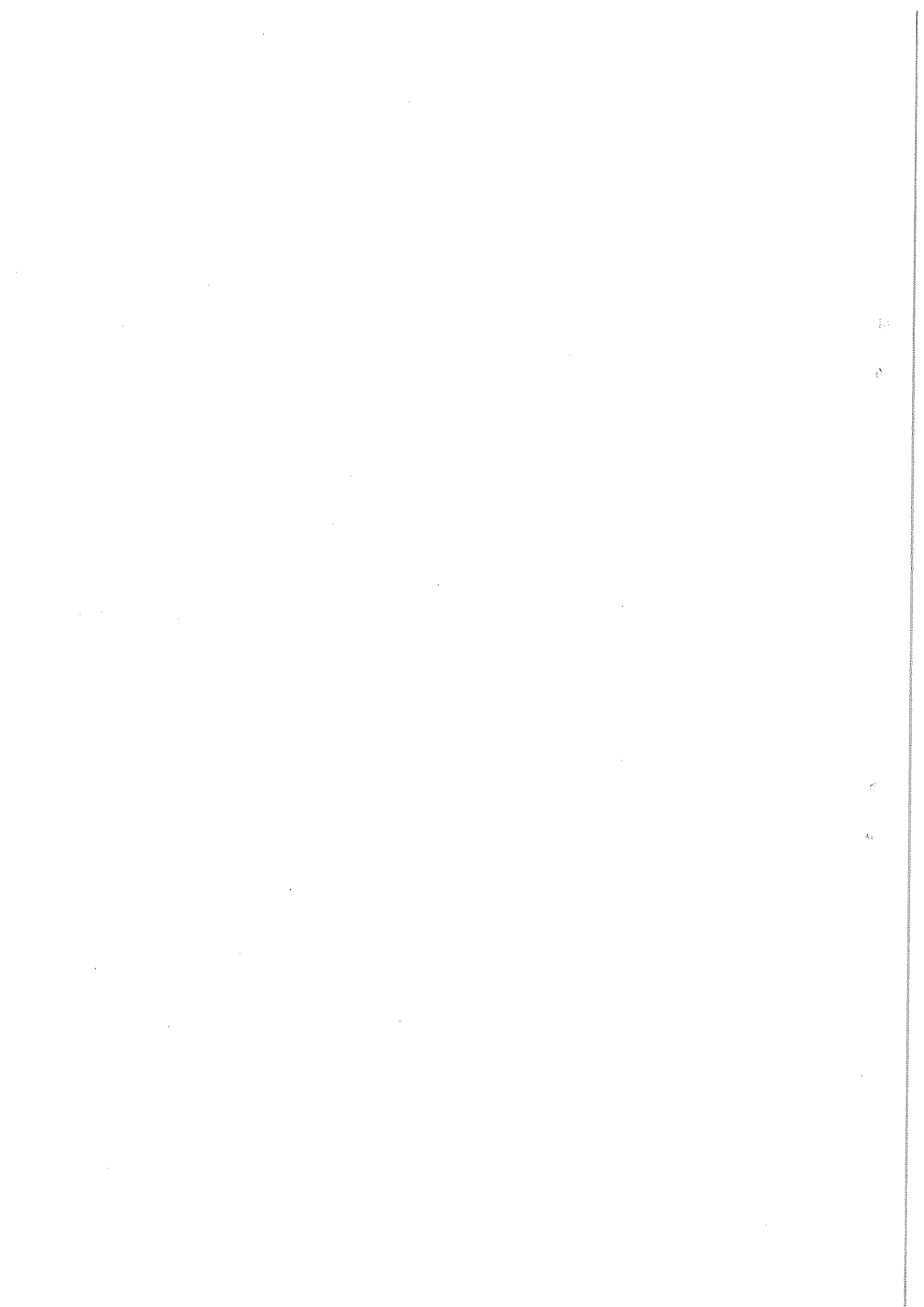
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1.2 Differentiate qualitative and quantitative research studies. (04 marks)

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

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2. Define the following terms in relation to research.

2.1 Population (02 marks)

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2.2 Sample (02 marks)

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2.3 Inclusion criteria (02 marks)

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2.4 Exclusion criteria (02 marks)

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2.5 Variable (02 marks)

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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)