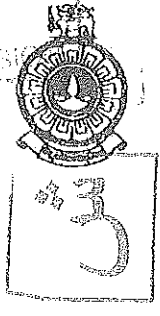


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EXAMINATION DIVISION

00193

THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF MEDICAL LABORATORY SCIENCES
ACADEMIC YEAR 2020/2021 – SEMESTER I



BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS
MDU5308 – RESEARCH METHODOLOGY – LEVEL 5
FINAL EXAMINATION

DURATION: 03 HOURS

DATE: 02ND MARCH 2022

TIME: 01.30PM – 04.30PM



PART B – Structured Essay Questions (40 Marks)

1.1 List four (04) aims of health research. (04 marks)

- i.
- ii.
- iii.
- iv.

1.2 List two (02) features of basic research and give an example for basic research. (03 marks)

- i.
- ii.
.....
.....

1.3 List three (03) qualities of a good research project. (03 marks)

- i.
- ii.
- iii.

(Total: 10 Marks)

2

2.1 Write three (03) sources of research problems. (03 marks)

- i.
- ii.
- iii.

INDEX NO:

2.2 Describe a criterion used to create a good research problem. (02 marks)

.....
.....
.....
.....
.....

2.3 Write two (02) example research problems following the criterion mentioned in 2.2.

(05 marks)

.....
.....
.....
.....
.....

(Total: 10 Marks)

3.0

3.1 Define the term variable. (02 marks)

.....
.....
.....

3.2 Define the following and give examples for each type of variable. (04 marks)

	Conceptual variables	Operational variables
Definition		
Example		

3.3 Identify the variables in following research problem. (04 marks)

A study of Medical Laboratory Scientists who were recruited based on their educational qualifications (diploma or degree) suggests that their performance-based allowances increase their motivation which in turn leads to an increase in their job satisfaction.

.....

.....

.....

(Total: 10 Marks)

4.0

4.1 Write three (03) key features of true experimental research. (03 marks)

- i.
- ii.
- iii.

INDEX NO:

4.2 Write five (05) steps of true experimental studies in proper order. (03 marks)

- i.
- ii.
- iii.
- iv.
- v.

4.3 Compare and contrast true experimental and quasi-experimental design. (04 marks)

True-experimental design	Quasi-experimental studies
i.	i.
ii.	ii.

(Total: 10 Marks)

PART C – Essay Questions (30 marks)

1. Describe the statistical methods used for research data analysis including descriptive and inferential statistics and the assumptions used. (15 marks)
2. Write the components of a research proposal and describe the information to be included in each section. (15 marks)

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