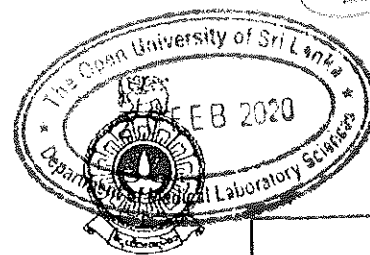


SAMPLE

THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF BASIC SCIENCES



BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS- LEVEL 05 -
2019/20

MDU 5308-RESEARCH METHODOLOGY

NO BOOK TEST - 01

DATE: 19th February 2020

DURATION: 1.5 HOUR
TIME: 09.00 a.m. -- 10.30 a.m.

REGISTRATION NO:

This question paper consists of 10 pages with 10 Multiple Choice Questions (Part A),
04 Short Answer Questions (Part B) and 01 Essay Question (Part C).

IMPORTANT INSTRUCTIONS TO CANDIDATES

- Write your Registration Number in the space provided.
- Answer **ALL** questions.
- **Multiple Choice Questions (Part A):** Indicate answers in the answer sheet provided by placing a cross (X) in the relevant cage.
- **Short Answer Questions (Part B):** Write answers within the space provided.
- **Essay Questions (Part C):** Write answers in the answer sheet provided.
- Do not remove any page/part of this question paper from the examination hall.
- Mobile phones and the electronic equipment are not allowed and requested to keep outside.

**BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS - LEVEL 05 -
2019/20**

MDU 5308-RESEARCH METHODOLOGY

NO BOOK TEST - 01

REGISTRATION NO:

ANSWER SHEET FOR PART A

Q. No.	(a)	(b)	(c)	(d)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				



**BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS - LEVEL 05 -
2019/20**

MDU 5308-RESEARCH METHODOLOGY

NO BOOK TEST - 01

Part A – Multiple Choice Questions

(10 marks)

1. Choose the most suitable answer and indicate with a 'X' in the answer sheet provided.

1. Research refers to as

- (a) a pathway to engage in an academic activity to search for a new avenue
- (b) scientific and systematic way of addressing a particular issue
- (c) new decisions to address the scientific issues by creating an innovative findings
- (d) an academic activity to disseminate knowledge in the scientific forums

2. Research comprises of

- (a) defining and redefining data
- (b) involving discussions
- (c) formulating hypotheses
- (d) using search engines

3. Which one of the following statement is **correct** with regard to the research methodology?

- (a) It is a science of studying how research is conducted scientifically
- (b) It is the way in which environmental problems are solved systematically
- (c) It is not important for the researcher to know the research techniques
- (d) It is the method that the researchers adopt to organize data

4. Research could be used to

- (a) develop research proposal
- (b) diagnose patients
- (c) fulfill the country needs
- (d) find solutions for the academic career

5. Research in the field of medical laboratory science is very important as it

- (a) provides pathway for the technicians
- (b) needs to get a promotion
- (c) finds errors in the medical laboratory service
- (d) promotes a better laboratory services



6. Which one of the following statements is **correct** with regard to the basic research?
- (a) It gives direct benefit to the country's development
 - (b) It gives direct benefit to the Industry
 - (c) The output is useful to start a business immediately
 - (d) The output is useful to focus on applied research
7. The person who writes a research proposal is called as
- (a) investigators
 - (b) principal investigator
 - (c) research Student
 - (d) donor
8. Which one of the following basic characteristics of research problem is considered to be effective?
- (a) Factual evidence
 - (b) Random collection of data
 - (c) Random hypothesis
 - (d) A non-testable and meaningful hypothesis
9. Which one of the following issues occurred during the research process?
- (a) Disfunction of an organization
 - (b) Malfunction of an equipment
 - (c) Funding problem
 - (d) Ethical problem
10. Literature review provides
- (a) recognition to the researchers
 - (b) the steps involved in the research process
 - (c) the skill development of the researcher
 - (d) background information about the research topic



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REGISTRATION NO:

Part B –Short Answer Questions

(80 marks)

2. Write answers in the space provided.

2,1 (i) What is meant by the term “Research Process”?

(5 Marks)

(ii) List ten (10) main steps involved in a research process.

(10 Marks)



(iii) Give the importance of “Literature Survey” in research process. (5 Marks)

2.2 (i) Which type of research could be useful for an industry? (4 marks)

(ii) List four (04) benefits which could be earned by the industry through the type of research mentioned in 2.2 (i) (8 marks)



- (iii) Identify two different research problems in the area of Medical Laboratory Sciences. (8 marks)

- 2.3 (i) Hypothesis is an important component in a research process. Explain Why? (10 marks)

- (ii) Briefly describe the process involved in developing a hypothesis. (10 marks)



2.4 (i) Give five (05) issues that you may encounter during a research process

(10 marks)

(ii) How could you resolve the issues mentioned in 2.4 (i)?

(10 marks)



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NO BOOK TEST – 01

REGISTRATION NO:

Part C – Essay Question

1. Describe the facts that you need to consider when you write a research proposal.

(10 marks)



Reg. No: -----

Name: -----

Address: -----

