

Faculty of Health, Natural Resources and Applied Sciences

School of Natural and Applied Sciences

Department of Biology, Chemistry and Physics

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QUALIFICATION: BACHELOR OF SCIENCE (HONOURS)	
QUALIFICATION CODE: 08BOSC	LEVEL:8
COURSE: ENVIRONMENTAL INDUSTRIAL AND MEDICAL BIOTECHNOLGY	COURSE CODE: EIM821S
DATE: NOVEMBER 2024	SESSION: 1
DURATION: 3 HOURS	MARKS: <b>120</b>

FIRST OPPORTUNITY: QUESTION PAPER

**EXAMINER:** 

Prof Percy Chimwamurombe

MODERATOR:

Dr Jean Damascene Uzabakiriho

## **INSTRUCTIONS**

- 1. Answer all questions on the separate answer sheet.
- 2. Please write neatly and legibly.
- 3. Do not use the left side margin of the exam paper. This must be allowed for the examiner.
- 4. No books, notes and other additional aids are allowed.
- 5. Mark all answers clearly with their respective question numbers.

## **PERMISSIBLE MATERIALS:**

1. Non-Programmable Calculator

## **ATTACHEMENTS**

1. NONE

This paper consists of 2 pages including this front pages.

[60] **SECTION A:** 

1.	Bacteria have a role in climate change. Comment of this statement.	(10)
2.	Describe five the pitfalls to be concerned about in preservation of microbes?	
		(10)
3.	Describe the key steps in wastewater purification until it is potable	(10)
4.	Describe the process of paternity identification using DNA.	(10)
5.	Motivate for the use of RNA in forensic work	(10)
6.	Appraise stem research in Namibia.	(10)
	Section B: Essays	[60]
1.	Section B: Essays  Write an essay describing the establishment of an industrial	[60]
1.		(30)
	Write an essay describing the establishment of an industrial	
	Write an essay describing the establishment of an industrial enterprise to remediate oil-spilled soils and freshwaters of Namibia.	
	Write an essay describing the establishment of an industrial enterprise to remediate oil-spilled soils and freshwaters of Namibia.  Write a detailed essay on gene therapy and pharmacogenomics	(30)

-----END OF EXAMINATION QUESTION PAPER-----