



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF ENVIRONMENTAL SCIENCES

DEPARTMENT OF ENVIRONMENTAL HEALTH

BACHELOR OF ENVIRONMENTAL SCIENCE HONOURS DEGREE IN PUBLIC HEALTH

HEALTH IMPACT ASSESSMENT

EPH 3102

Examination Paper

October 2024

This examination paper consists of ---3----- pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: None

Examiner's Name: Mr P.L Moyo

INSTRUCTIONS

1. Answer **QUESTION 1** and any **THREE** questions
2. Each question carries 25 marks

MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5.	25
6.	25
TOTAL	100

QUESTION 1 (Compulsory)

Zimbabwe and majority of low-income countries have added hepatitis B and Haemophilus influenzae type b (Hib) to their routine infant immunization schedules and an increasing number are in the process of adding pneumococcal conjugate vaccine and rotavirus vaccines to their schedules.

- a) Using a logical/results framework as guide, populate the **five (5)** major components of this concept to develop indicators for the above immunization program **(15)**
- b) Explain what you would consider when choosing a data source for evaluating the above immunization program **(10)**

QUESTION 2

- a) Using relevant examples, describe and explain the **three (3)** key principles of Health Impact Assessment **(15)**
- b) Differentiate between Health Impact Assessment (HIA) and Environmental Impact Assessment (EIA) **(10)**

QUESTION 3

In a small town of Ruwa, a local mining company announced plans to begin operations, sparking concern among residents. Explain the steps you would do to carry out a Health Impact Assessment for this local company **(25)**

QUESTION 4

Assuming your consulting firm has been awarded the job to carry out an HIA study on the utilisation of nuclear energy at NUST, produce a prospectus report that you will submit to the regulatory authority **(25)**

QUESTION 5

- a) Discuss the role and importance of different stakeholders that you would consult during HIA studies of a project of your own choice **(15)**
- b) Describe the different types of methods of public consultation you would employ for that particular project **(10)**

QUESTION 6

The District Health Management Team (DHMT) has asked you to lead a team to conduct a situational analysis to provide data that will form the basis for a programme to improve on access and use of contraceptives

- a) Who will you include in your team, and why? (10)
- b) What kind of data will you collect and why? (10)
- c) Explain how you would analyse your data (5)