



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF ENVIRONMENTAL SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCE

**BACHELOR OF SCIENCE HONOURS DEGREE IN ENVIRONMENTAL SCIENCE AND
HEALTH**

ENVIRONMENTAL AND HEALTH EDUCATION

ESH 1211

Final Examination Paper

October 2024

This examination paper consists of 3 printed pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: None

Examiner's Name: Dr N Manyeruke

INSTRUCTIONS

1. Answer any **FOUR** 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

1. a) Describe the major strengths and weaknesses associated with the following strategies:
 - i. Exhibits, Demonstrations and shows (5)
 - ii. Special events (5)
 - iii. One-to-one communication (5)b) Justify use of participatory approaches in environmental and health education. (10)
2. a) Explain the seven steps of the Participatory Health and Sanitation Transformation (PHAST) approach. (21)
b) Explain the uses of the sanitation ladder tool when in the field running a health education programme. (4)
3. a) Differentiate between the following:
 - i) Needs Assessment and Evaluation (14)
 - ii) Captive and non-captive audience (11)
4. Discuss the factors that may hinder effective communication when running an environmental and health education programme.
5. Discuss the characteristics of adult learners that you would consider in coming up with a health education strategy.
6. Evaluate the principles behind the following education strategies as they relate to health education:
 - i. Neo-classical (8)
 - ii. Liberal humanist (8)
 - iii. Social critical (9)