

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF APPLIED SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND HEALTH
BACHELOR OF SCIENCE HONOURS DEGREE
FINAL EXAMINATION

PRINCIPLES OF ENVIRONMENTAL EDUCATION :ESH 2107

December 2011

Time Allowed:3 Hours

Total Marks:100

INSTRUCTIONS TO CANDIDATES:

Answer any **four** questions. Each question carries **25 marks**.

Question 1

Evaluate the role played by the UNESCO's Tbilisi Declaration (Russia 1977) in the development of environmental education. **(25 marks)**

Question 2

Analyse the fundamental principles behind the neo-classical, liberal and socially critical educational paradigms as they relate to environmental education. **(25 marks)**

Question 3

Analyse the effectiveness of indigenous knowledge systems in the management of the Environment. **(25 marks)**

Question 4

Evaluate action models that can be applied in adult environmental education programmes. **(25 marks)**

Question 5

Compare and contrast captive and non-captive audiences. What motivational issues do you need to consider when working with these two populations. **(25 marks)**

Question 6

Compare needs assessment and evaluation in environmental education and discuss how the results of these different assessments are used to improve the quality of environmental education. **(25 marks)**

(End of question paper)

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF APPLIED SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND HEALTH
BACHELOR OF SCIENCE HONOURS DEGREE
SUPPLEMENTARY EXAMINATION

PRINCIPLES OF ENVIRONMENTAL EDUCATION: ESH 2107

July 2012

Time Allowed: 3 hours

Total marks:100

INSTRUCTIONS TO CANDIDATES:

Answer any four questions. Each Question carries 25 marks.

Question 1

Compare the learning strategies of behaviourism, constructivism and social critical orientations as they relate to teaching people about environmental issues. In your answer, highlight their strengths and weaknesses. **(25 marks)**

Question 2

- a) Discuss the major considerations when selecting environmental education strategy. **(15 marks)**
- b) Discuss the effectiveness of Mass Media and extension services as strategies in environmental education. **(10 marks)**

Question 3

Outline and evaluate the major landmarks towards the development of environmental education until the period marked by the publication of the book "Our Common Future. **(25 marks)**

Question 4

Discuss the participatory methods in community education. **(25 marks)**

Question 5

Discuss the aims and objectives of environmental education. **(25 marks)**

Question 6

Evaluate action models that can be applied in adult environmental education programmes. **(25 marks)**

(End of question paper)