

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**FACULTY OF APPLIED SCIENCES**  
**DEPARTMENT OF ENVIRONMENTAL SCIENCE AND HEALTH**

**FINAL EXAMINATIONS**

**PRINCIPLES OF ENVIRONMENTAL EDUCATION: ESH 2107**

**January 2013 Time Allowed: 3 Hours Total Marks 100**

**INSTRUCTIONS TO CANDIDATES:**

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

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**Question 1**

Evaluate the major landmarks towards the development of environmental education until the period marked by the publication of the book, Our Common Future.

**Question 2**

- a) Differentiate between captive and non-captive audiences. **(10 marks)**
- b) Discuss the motivational issues you would need to consider when working with these two populations? **(15 marks)**

**Question 3**

Discuss the factors that may hinder effective communication in environmental education programmes.

**Question 4**

Evaluate the fundamental principles behind the neo-classical, liberal and socially critical educational paradigms as they relate to environmental education.

**Question 5**

Analyse various action models that can be applied in adult environmental education programmes.

**Question 6**

For a named community give a detailed account of the steps you would take and the issues you would consider in coming up with an environmental educational programme to help solve a particular environmental community problem.

**End of question paper**

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**SUPPLEMENTARY EXAMINATIONS**

**PRINCIPLES OF ENVIRONMENTAL EDUCATION: ESH 2107**

**Year 2013**

**Time Allowed: 3 Hours**

**Total Marks 100**

**INSTRUCTIONS TO CANDIDATES:**

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

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**Question 1**

Discuss the aims and objectives of environmental education.

**Question 2**

- a) What are the major considerations when selecting environmental education strategies?  
(10 marks)
- b) Describe the major strengths and weaknesses associated with schools programme and clubs strategies in environmental education.  
(15 marks)

**Question 3**

- a) Compare and contrast captive and non-captive audiences.  
(10 marks)
- b) What motivational issues do you need to consider when working with these two populations?  
(15 marks)

**Question 4**

Discuss the role played by Tbilisi declaration (1977) in the development of Environmental Education.

**Question 5**

Compare and contrast Needs Assessment and Evaluation.

**Question 6**

Evaluate the fundamental principles behind the neo-classical, liberal and socially critical educational paradigms as they relate to environmental education.

**End of question paper**