

CHUKA



UNIVERSITY

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EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

ENSC 342: ENVIRONMENTAL DEGRADATION AND MANAGEMENT

STREAMS: BSC. ENSC

TIME: 2 HOURS

DAY/DATE: TUESDAY 11/12/2018

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- Answer ALL questions in SECTION A and ANY TWO in SECTION B.
- Do not write anything on the question paper.

SECTION A (30 MARKS)

1. Discuss the DPSIR tool as an instrument for environmental management. (6 marks)
2. With the help of a diagram, illustrate how human systems interact with the environment. (5 marks)
3. Briefly explain the role of the United Nations Convention to Combat Desertification (UNCCD) (5 marks)
4. Using a diagram, discuss briefly the link between poverty and environmental degradation. (6 marks)
5. Explain four ways through which sustainable land management can help in minimizing environmental degradation. (4 marks)
6. Technology is a double edged sword when it comes to environmental degradation. Exponent using relevant examples. (4 marks)

SECTION B (40 MARKS)

7. (a) Discuss ten factors behind environmental degradation in Kenya. (10 marks)

- (b) Explain the role of the government of Kenya in controlling environmental degradation. (10 marks)
8. (a) Describe payment for Ecosystem Services (PES) as a tool for mitigating environmental degradation. (10 marks)
- (b) Discuss the pros and cons of the PES tool in environmental management. (10 marks)
9. (a) Describe the processes through which the industrial sector contributes to environmental degradation. (10 marks)
- (b) Discuss the role of green industry in sustainable industrial development. (10 marks)
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