

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF
DOCTOR OF PHILOSOPHY IN ENVIRONMENTAL SCIENCE**

ENSC 971: ADVANCED ENVIRONMENTAL ECONOMICS

STREAMS: PHD (ENSC) YISI

TIME: 3 HOURS

DAY/DATE: WEDNESDAY 22/04/2020

8.30 AM – 11.30 AM

INSTRUCTIONS:

- **Answer ALL Questions in Section A and any Two in Section B**
- **Do not write on the question paper**

SECTION A (20 MARKS)

1. Describe three basic methods of environmental resources pricing. [6 marks]
2. Briefly describe the term “Trade off” in environmental economics. [5 marks]
3. With supporting examples, describe “market failure” as an environmental issue. [5 marks]
4. Explain the application of the ‘law of diminishing returns’ in environmental economics. [4 marks]

SECTION B (40 MARKS)

5. Just wildlife? Or a source of local socio-economic development? Discuss this statement in respect to valuation of environmental goods and services. [20 marks]
 6. Discuss the concept of externalities in relation to environmental economics. [20 marks]
 7. Using the concept of Environmental Kuznets Curve (EKC), discuss how Kenya can diffuse clean technologies for economic growth. [20 marks]
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