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ECON 445

UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE

ECON 445: ENVIRONMENTAL ECONOMICS

STREAMS: BSC

CHUKA

DAY/DATE: MONDAY 09/12/201911.30 A.M. – 1.30 P.M.INSTRUCTIONS: Answer question ONE and any other TWO questions

QUESTION ONE

- (a) Discuss the following terms as used in economics
 - (i) Environmental economics
 - (ii) Resource economics
 - (iii) Externality
 - (iv) Pubic good
 - (v) Sustainability
- (b) Discuss the concepts of sustainability
- (c) Water users associations are public utility providers of water in different areas of the country. Using relevant illustrations, discuss how efficient allocation of water is attained

[15 marks]

QUESTION TWO

- Using a diagram, discuss the relationship between the environment and economic growth
 [15 marks]
- (ii) Discuss the coase theorem of transaction cost as applied in environmental economics[5 marks]

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TIME: 2 HOURS

[5 marks]

QUESTIONTHREE

(i) Discuss the optimal pollution levels with assimilative capacity [10 marks]
 (ii) Consider the actions of a processor located upstream and releases effluents into a river utilized by other users located downstream. Discuss how efficiency can be attained in containing the externality. [10 marks]

QUESTION FOUR

- (i) Discuss the criterial of choosing the best environmental policies [5 marks]
- (ii) The mix and distribution of greenhouse gases within the atmosphere can modify the climate. Discuss strategies that have been identified to be used in combating climate change. [15 marks]
