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**University Examinations 2015/2016**

FIRST YEAR, SECOND SEMESTER EXAMINATION FOR THE CERTIFICATE IN AGRICULTURE

**NAR 0141: ECOLOGY AND ENVIRONMENTAL SCIENCE**

**DATE: NOVEMBER 2015 TIME: 11/2 HOURS**

**INSTRUCTIONS:** *Answer question* ***one*** *and any other* ***two*** *questions*

**QUESTION ONE (30 MARKS)**

1. Define the following terminologies (5 Marks)
2. Biosphere
3. Community
4. Predator
5. Ecology
6. Ecosystem
7. Explain how noise pollution can be controlled in a busy modern city (5 Marks)
8. Explain various trophic levels in an ecosystem (5 Marks)
9. Describe the feeding habits of a carnivorous animals and explain how they are adapted to

their diet. (10 Marks)

1. Describe the characteristics of hazardous waste (5 Marks)

**QUESTION TWO (15 MARKS)**

1. Explain the contribution of under development to environmental degradation cite specific examples in Kenya (5 Marks)
2. Explain how the following body anatomy adapt carnivores to their food. (10 Marks)
3. Jaw movement
4. Camouflage
5. Eyes
6. Speed
7. Body structure

**QUESTION THREE (15 MARKS)**

1. Outline the composition of Municipal solid waste (5 Marks)
2. What are the importance of Ozone layer in relation to life on earth (5 Marks)
3. Explain five factors contributing to the rapid population growth in Kenya (5 Marks)

**QUESTION FOUR (15 MARKS)**

1. Explain the cause of water pollution in Kenya (5 Marks)
2. Discuss five (5) agricultural practices that cause environmental degradation (10 Marks)