



W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS 2016/2017**

ALP 2207: PRINCIPLES OF ENVIRONMENTAL SCIENCE

DATE: JUNE 2017

TIME: 2 HOURS

Instructions: Answer question ONE any other TWO questions

1. a. Define the following terms and concepts:
 - i. General circulation models (4marks)
 - ii. Life support systems (4marks)
 - iii. Greenhouse gas effects (4 marks)
- b. Discuss the cause and the effects of ozone layer depletion to the environment (10Marks)
- c. Discuss the functions and challenges facing wetland resources in Kenya (8marks)
2. Briefly describe the anthropogenic causes of climate change in the world and possible solutions (20marks)
3. a. Discuss seven human activities that promote loss of biodiversity in Kenya (14marks)
b. Giving examples, explain how use of energy resources pollutes the environment. (6 marks)
4. Discuss the causes and effects of land degradation in Kenya (20marks)