



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
MAIN/KISUMU CAMPUS
UNIVERSITY EXAMINATIONS 2018
FOURTH YEAR SECOND SEMESTER END OF SEMESTER EXAMS FOR DEGREE
OF BACHELOR OF SCIENCE IN PUBLIC HEALTH**

COURSE CODE: HPD 3416

COURSE TITLE: CLIMATE CHANGE AND HEALTH

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer all the questions in Section 'A' and ANY other two questions in Section 'B' each contain 20 marks**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A: ANSWER ALL THE QUESTIONS IN THIS SESSION (30 MARKS)

1. Differentiate between the following terms (4 marks)
 - a. El nino and La nina
 - b. Heat exhaustion and heat stress
2. What are the advantages of greenhouse gases? (2 mark)
3. Name **FOUR** medium impacts of floods to the environment (2 marks)
4. How can some of the public health approaches be used in the management of climate change (3 marks)
5. Give some of the effects of rise in sea level to our Coastal towns (3 marks)
6. Outline the effects of Persistent organic pollutants to the environment (3 marks)
7. What are some of the things to remember in analysing the association between climate change and health (3 marks)
8. Name some of the environmental and social factors that may reinforce climate effects (3 marks)
9. Why is it important to have conserve our forest cover? (3 marks)
10. Identify ways in which technology can be used to mitigate the effects of climate change (4 marks)

SECTION B: ANSWER ONLY TWO QUESTIONS IN THIS SESSION (40 MARKS)

1. a) Describe the effects of climate change to health? (10 marks)
b) An increase in the average temperature by even 0.5°Celsius on earth has a great ramification to human survival discuss these effects? (10 marks)
2. a) Discuss some of the impact of climate change to food productivity? (10 marks)
b) Explain **FIVE** of the vector-borne diseases attributed to climate change in Kenya? (10 marks)
3. a) Discuss **FIVE** types of early warning? (10 marks)
b) How is temperature and rainfall affecting transmission of vector borne diseases? (10 marks)
4. a) Discuss the objectives of National Adaptation Programme to our vision 2030 (10 marks)
b) Illustrate some of the characteristics of an effective early warning system (10 marks)