



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE &
TECHNOLOGY UNIVERSITY EXAMINATIONS 2012/2013**

**2ND YEAR 1ST SEMESTER EXAMINATION FOR THE DEGREE
OF BACHELOR OF SCIENCE COMMUNITY HEALTH &
DEVELOPMENT**

(MAIN)

COURSE CODE: HCD 3215

COURSE TITLE: ENVIRONMENTAL HEALTH

DATE: 14 /8/13

TIME: 9.00 - 11.00 AM

DURATION: 2 HOURS

INSTRUCTIONS

- 1. This paper contains five (5) questions.**
- 2. Answer question 1 (compulsory) and ANY other TWO questions.**
- 3. Write all answer in the booklet provided.**

Section A: Answer ALL Questions (Total 30 marks)

1. Define the following terms:
 - a) Environmental toxicology. (2 marks)
 - b) Environmental health. (2 marks)
 - c) Environmental impact assessment. (2 marks)
2. What is the difference between the following in environmental health;
 - a) Half life and disappearance rate. (3 marks)
 - b) Breakdown and Metabolism. (3 marks)
 - c) Risks and hazards. (3 marks)
3. Write short notes on the following;
 - a) Photochemical oxidants. (3 marks)
 - b) Organics. (3 marks)
 - c) Inorganics. (3 marks)

Section B (40 marks) Answer any two questions

1. Discuss how environmental factors affect man's health in the following categories; organic, biological and socio-cultural context. (20 marks)
2. Discuss air pollution focusing on the following areas; sulphur oxide; nitrogen oxide; carbon monoxide and particulates. (20 marks)
3. Discuss the types of water pollution. (20 marks)
4. State the principles of toxic waste management. (20 marks)