



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS FOR DIPLOMA IN COMMUNITY HEALTH AND  
DEVELOPMENT**

**SECOND YEAR, SECOND SEMESTER**

**SPECIAL EXAMINATIONS NOV. 2020**

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**COURSE CODE: HDC 2221**

**COURSE TITLE: Environmental and Occupational Safety and Health**

**DATE**

**TIME**

**DURATION: 2 HOURS**

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**INSTRUCTIONS:**

- 1. This paper contains two sections (A and B)**
- 2. Answer ALL questions in Section A and any Two (2) questions in Section B**
- 3. Write ALL answers in the booklet provided**

### **Section A: Answer all questions**

1. List 2 greenhouse gases and name the sources of these gases (4 marks)
2. Define occupational safety and health and give its objectives (5 marks)
3. Describe 4 major types of toxicology (4 marks)
4. Describe the hierarchy of preventing and controlling hazards in workplace (4 marks)
5. List any 3 preventive measures promoting OSH at work (3 marks)
6. Describe three functions of NEMA in Kenya? (3 marks)
7. Describe criteria of recognising and identifying occupational diseases (3 marks)
8. Define the following terms (1 mark each)
  - a) hazard
  - b) First aid case
  - c) Medavec
  - d) Ceiling exposure value

### **Section B:**

#### **Choose any two questions**

1. Discuss the factors influencing toxicity in human body (15 marks)
2. Discuss the mitigation methods of global warming (15 marks)
3. Discuss the fundamental elements of occupational safety and health (OSH). (15 marks)
3. Discuss the significant roles of employer, employee and government in promoting occupational safety and health at work (15 marks)