

#### JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF HEALTH SCIENCES

# UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT

### 2<sup>ND</sup> YEAR 2<sup>ND</sup> SEMESTER 2022/2023 ACADEMIC YEAR

#### MAIN CAMPUS

COURSE CODE: HDC 2221

COURSE TITLE: ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

**EXAM VENUE:** 

STREAM: (Dip Comm Health & Dev)

DATE:

EXAM SESSION:

**TIME: 1 1/2.00 HOURS** 

**Instructions:** 

- **1.** Answer all the questions in Section A and ANY other 2 questions in Section B.
- 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 questions

1.	Define occupational safety and health and give its objectives	(5 marks)
2.	Differentiate between the following terms	(2 mark each)
	a) Hazard and risk	
	b) Health hazards and safety hazard	
3.	Describe the accident causing factors in work place	( 3 marks)
4.	Describe briefly the risk factors of ergonomic hazards	(3 marks)
5.	Describe the hierarchy of preventing and controlling hazards in	workplace (3 marks)
6.	Describe the routes of excretion of chemical hazards	(3 marks)
7.	Describe three functions of NEMA in Kenya?	(3 marks)
8.	List 2 greenhouse gases and name the sources of these gases	(4 marks)
9.	Describe the stages of Job Safety Analysis	(2 marks)

#### Section B:

## Choose any two questions

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