



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

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
ENVIRONMENTAL HEALTH/ COMMUNITY HEALTH AND DEVELOPMENT**

3RD YEAR 1ST SEMESTER 2023/2024 ACADEMIC YEAR

MAIN

COURSE CODE : HCB 1304

COURSE TITLE: OCCUPATIONAL HEALTH AND SAFETY

EXAM VENUE:

STREAM: (BSc. Env. Hlth / Comm Hlth & Dev)

DATE:

EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

- 1. Answer all questions in section A and any other TWO 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 (30 MARKS)

1. Differentiate between safety hazard and health hazard (4 marks]
2. List EIGHT key elements of occupational health and safety (4 marks)
3. Describe the steps of job safety analysis (4 marks)
4. Outline FOUR duties of the management regarding implementation of effective OSH policy at workplace. (4 Marks)
5. Describe briefly the general criteria for recognizing and identifying the occupational diseases (6 marks)
6. Describe the hierarchy of prevention and control of hazards in workplace (2 marks)
7. List the classification of toxic effects (2 marks)
8. Describe the human heat balance equation (4 Marks)

SECTION B: (40 MARKS)

1. Discuss FIVE direct impacts of non-compliance to health and safety rules (20 marks)
2. Discuss risk management process and ISO principles of risk management (20 marks)
3. Discuss the role of ILO in promotion of health and safety at work. (20 marks)
4. Discuss fully the responsibilities of the employee, the employer and the government in the promotion of occupational safety and health in workplace (20 marks)