



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

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

**2<sup>ND</sup> YEAR 1<sup>ST</sup> SEMESTER 2018/2019 ACADEMIC YEAR**

**KLC**

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**COURSE CODE: HCD 3216**

**COURSE TITLE: OCCUPATIONAL SAFETY AND HEALTH**

**EXAM VENUE:**

**STREAM: (BSc. P. Health / Comm Hlth & Dev)**

**DATE:**

**EXAM SESSION:**

**TIME: 2.00 HOURS**

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**Instructions:**

1. Answer all 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 (30 MARKS)**

1. Define the following terms ( 1 mark each)
  - i. Ceiling exposure value
  - ii. Half life
  - iii. Reasonably practicable
  - iv. Occupational illness
  - v. Restricted Work Case
2. Outline 5 duties of **first-line supervisors** regarding the implementation of effective OSH policy at workplace. ( 5 Marks)
3. Mentions 3 ways on how ILO promotes occupational safety and health among member states? ( 3 Marks)
4. List 5 aims of implementing occupational health and safety in workplace (5 marks)
5. Highlight the concept of risk and uncertainty. (2 marks)
6. Describe 3 concepts and principles of OSHA”. (3 marks)
7. Describe the hierarchy of prevention and control of hazards in workplace (2 marks)
8. Describe the logical sequence of developing an emergency response plan. (5 marks)

### **SECTION B: (40 MARKS)**

1. Discuss the role of ILO in promotion of health and safety at work. (20 marks)
2. Discuss direct and indirect cost implications of occupational accidents and diseases to both employer and employee (20 marks)
3. Discuss responsibilities of:
  - a) Workers (7 Marks)
  - b) Employers (7 Marks)
  - c) Governments (6 Marks)In the promotion of occupational safety and health in workplace
4. Discuss the fundamental elements of OSHA program (20 marks)