



**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**

2ND YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

MAIN

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

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 Key elements for well-functioning health and safety committees (**20 marks**)
2. Discuss direct and indirect cost implications of occupational accidents and diseases to both employer and employee (**20 marks**)
3. a) Discuss risk management process and ISO principles of risk management (**15 marks**)
(b) Identify and describe the purposes of health surveillance of the work place (**5 marks**)
4. Discuss the criteria for recognizing and identifying the occupational health and safety diseases (**20 marks**)