



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**
UNIVERSITY EXAMINATIONS 2012/2013
**2ND YEAR 1ST SEMESTER EXAMINATIONS FOR THE DEGREE
OF BACHELOR OF SCIENCE IN COMMUNITY HEALTH AND
DEVELOPMENT & BACHELOR OF SCIENCE IN PUBLIC
HEALTH**
(KISUMU LEARNING CENTRE)

COURSE CODE: HCD 3216

COURSE TITLE: OCCUPATIONAL HEALTH AND SAFETY

DATE: 20/4/2013 TIME: 11.00-13.00PM

DURATION: 2 HOURS

INSTRUCTIONS

1. This paper contains TWO sections.
2. Answer ALL questions in section A (Compulsory) and ANY other Two questions in section B.
3. Write all answers in the booklet provided.

SECTION A: Answer ALL QUESTIONS in this section

1. **Explain** the importance of an occupational safety assessment at the work place. (3 marks)
2. **Elaborate** the concept “Living is fatal” (3 marks)
3. **State** any three main principles linked to the definition of occupational health (3 marks)
4. . “SAM” is an acronym that encompasses occupational health and safety management. **Highlight** its components (3marks).
5. **Outline** any three factors that determine whether particular waste is hazardous (3 marks)
6. **Name** the three elements necessary for a combustion process. (3 marks)
7. **Suggest** any three possible control measures applicable to reduction of air pollution in a working environment. (3 marks)
8. **Describe** the three significant reasons behind the undertaking occupational health and safety issues at the work place. (3 marks)
9. **Identify** three effects of excessive exposure to organic compounds (3 marks)
10. **Distinguish** the terms “vulnerability and risk”. (3 marks)

SECTION B: Answer ANY TWO QUESTIONS in this section

Q1.

- (a) Explain the components of a health surveillance of the work place (6marks)
- (b) Briefly explain the effects of noise pollution in working environment (5marks)
- (c) Describe any three major indoor pollutants, their sources and effects (6marks)
- (d) Describe the legal provisions that protect against occupational hazards at the work place. (3marks)

Q2.

- (a) Explain the basic procedures in the risk assessment in an organization (5marks)
- (b) Explain how you can make occupational health and safety committees effective at the work place. (5 marks)
- (c) Discuss briefly the overview of Occupational Health and Safety Act, 2007. (6 marks)
- (d) Explain the role of International Labour Organization (ILO) in respect to occupational health and safety issues. (4 marks)

Q3.

- (a) Discuss any two types of occupational health hazards at the work place (10 marks)
- (b) Explain five safety management during emergencies (10 marks)

Q4.

Identify any four examples of occupational health hazards, and then discuss some of the effects and strategies of controlling these health risks at work places (20 marks)