



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

**UNIVERSITY EXAMINATION FOR DEGREE IN COMMUNITY HEALTH
AND DEVELOPMENT**

2ND YEAR 1ST SEMESTER 2013/2014 ACADEMIC YEAR

CENTER: MAIN CAMPUS

COURSE CODE: HCD 3216
COURSE TITLE: OCCUPATIONAL HEALTH AND SAFETY
EXAM VENUE: STREAM: BSc. Public Health/Community Health & Devt.
DATE: 04/12/2013 EXAM SESSION: 9.00-11.00 AM

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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: Answer ALL QUESTIONS in this section

1. Explain the importance of an occupational safety assessment at the work place. (3 marks)
2. State the three main principles linked to the definition of occupational health (3 marks)
3. Outline any three factors that determine whether particular waste is hazardous (3 marks)
4. Name the three elements necessary for a combustion process. (3 marks)
5. Suggest any three control measures applicable to reduction of air pollutants in a working environment. (3 marks)
6. Describe the three significant reasons that can compel an institution to undertake occupational health and safety programmes at the work place. (3 marks)
7. Distinguish the terms “hazard and risk”. (3 marks)
8. Identify three functions of occupational health and safety services? (3 marks)
9. Elucidate any three objectives of occupational health and safety? (3 marks)
10. Highlight any three strategies of managing risks. (3 marks)

SECTION B: Answer ANY TWO QUESTIONS in this section (20 marks each)

Q11. Discuss risk management under the following;

- (a) Process (10 marks)
- (b) Principles according to the International Standardization Organization (10 marks).

Q12.

(a) Occupational health and safety auditing requires understanding and knowledge of laws, legislation, and guidelines of codes of practice governing OHS audits, facility inspection and assessment. Describe the terms;

(10 marks)

- (i) Audit
- (ii) Compliance audit
- (iii) Hazard specific audit
- (iv) Management system audit

(b) Discuss the components of health surveillance of the work place (10 marks)

Q13. Discuss the occupational exposure effects and the mitigating measures that are applicable to the following factors that may be of occupational hazards; (20 marks)

- (a) Extreme temperatures
- (b) Radiation exposure

- (c) Extreme noise
- (d) Persistent organic pollutants

Q14. The cooperation of workers and employer within an enterprise is vital for the prevention of possible occupational accidents and diseases. The enterprise policy should therefore encourage workers and the management, and their representatives to play their essential roles in this regard and ensure that workers are given adequate information on measures taken by the employer to secure occupational health and safety.

Discuss the significant roles for both employer and employee in the issues of occupational health and safety at the work place. (20 marks)