



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF HEALTH SCIENCES**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE**  
**(COMMUNITY HEALTH AND DEVELOPMENT)**  
**2<sup>ND</sup> YEAR 1<sup>ST</sup> SEMESTER 2013/2014 ACADEMIC YEAR**  
**CENTRE: KISUMU**

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**COURSE CODE: HCD 3216**

**COURSE TITLE: OCCUPATIONAL HEALTH AND SAFETY**

**EXAM VENUE: STREAM: BSc.Com. Health & Deve, BSc.Public Health.**

**DATE: 4/12/2013 EXAM SESSION: 2.00 – 4.00 PM**

**TIME: 2 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 –Answer ALL Questions

1. **Define** the term occupational hygiene. (3 marks)
2. **Outline** *any three* strategies to risk treatment. (3 marks)
3. **Enumerate** *any three* objectives/aims of occupational health and safety. (3 marks)
4. **Give** *any two* major pollutants, health effect and control measure for each. (3 marks)
5. **State** *any three* main principles linked to the definition of occupational health. (3 marks)
6. **Explain** the significance of occupational health and safety committees in the work place. (3 marks)
7. **Specify** how you can make occupational health and safety committees effective at the workplace. (3 marks)
8. **Suggest** *any three* possible control measures in reducing air pollution in the work environment. (3 marks)
9. **Identify** *any three* possible adverse health effects, which may result from exposures to extreme atmospheric pressure. (3 marks)
10. **Highlight** *three* ways in which the employer may demonstrate its commitment to occupational health and safety issues. (3 marks)

## Section B –Answer ANY TWO Questions

1. 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)
2. Discuss both direct and indirect cost implications of occupational accidents and diseases to both employer and employee. (20 marks)
3. Discuss the processes of auditing and risk assessment applicable to occupational health and safety of the work place. (20 marks)
4. With an example for each, discuss exposure effects and the mitigating measures of each of the five major categories of occupational hazards. (20 marks)