



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
APRIL, 2016 UNIVERSITY EXAMINATION FOR
DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT
1ST YEAR 2ND SEMESTER 2015/2016 ACADEMIC YEAR

NAMBALE

COURSE CODE: HDC 2221

COURSE TITLE: ENVIRONMENTAL & OCCUPATIONAL HEALTH AND SAFETY

EXAM VENUE: STREAM: (Diploma in Comm Health & Dev)

DATE: EXAM SESSION:

TIME: 1½ HOURS

Instructions:

- 1. Answer all the 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. Compare and contrast the objectives of “environmental health” and “occupational health”. (3 marks)
2. Highlight three possible motivations for personal hygiene practices. (3 marks)
3. Explain the public health concerns of big volume of waste that is generated in Kenyan urban centers. (3 marks)
4. Describe how surgical waste materials would be managed by your local health facility. (3 marks)
5. Enumerate any six ways in which contamination of food may be minimized. (3 marks)
6. Give any three responsibilities of environmental health officers. (3 marks)
7. Describe any three possible direct cost implications to the employer/management as a result of non-compliance to occupational health and safety measures. (3 marks)
8. With an example for each, specify any three classifications/categories of occupational health hazards at work place. (3 marks)
9. Outline any three “medical hygiene” practices that members of the community may apply in their control to disease transmission. (3 marks)
10. List any three challenges associated with the execution of environmental health services in Kenya. (3 marks)

SECTION B: Answer ANY TWO QUESTIONS in this section

- 11 **Describe** personal hygiene practices that would promote health in respect to; -
 - (a) Vector and Vermin Control (3 marks)
 - (b) Pollution Control and Housing (3 marks)
 - (c) Water Safety and Quality Control (3 marks)
 - (d) Food Safety and Quality Control; (3 marks)
 - (e) Sanitation and Hygiene Promotion (3 marks)

- 12 **Discuss**
 - (a) The process of energy transformation in an ecosystem of both abiotic and biotic components. (7 marks)
 - (b) The roles and responsibilities of any two state environmental health agencies. (8 marks)

- 13 **Discuss**
 - (a) EIGHT of the key principles of occupational health and safety. (8 marks)
 - (b) Health effects associated with exposure to chemical hazards. (7 marks)

- 14 **Discuss**
 - (a) The relevance of port health services as a core function of environmental and public health in Kenya. (8 marks)
 - (b) Health impacts of human development to the environment and population health, using two types of development. (7 marks)