JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS 2012/2013

1ST YEAR 1ST SEMESTER EXAMINATIONS FOR THE DEGREE OF BSC. PUBLIC HEALTH

(KISUMU LEARNING CENTRE)

COURSE CODE: HPD 3113

COURSE TITLE: PRINCIPLES OF PUBLIC HEALTH

DATE: 16/4/2013 **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.

1. Define the following terms:
   a) Epidemiology (1 mark)
   b) Incidence (1 mark)
   c) Prevalence (1 mark)
2. a) Define the term public health (1 mark)
   b) Outline 2 principles of public health (2 marks)
3. Explain 3 characteristics of public health interventions (3 marks)
4. Using the community strategy approach outline the linkage between the community and the national level of health care provision (3 marks)
5. John is the health worker in-charge of Milimani community. Measles outbreak has been reported in this community. Explain the different disease prevention approaches that john could use in managing the outbreak (3 marks)
6. Explain 3 roles of the government as the main actor in health care provision (3 marks)
7. a) List the causative micro-organism for malaria (1 mark)
   b) List 2 preventive measures for malaria that a health worker may educate the community to practice (2 marks)
8. List 3 clinical types of diarrhoea (3 marks)
9. Baby Joy has had diarrhoea for the past 2 days. List 3 signs and symptoms of dehydration that she may present with (3 marks)
10. A baseline study conducted in Kisumu Town on 1st November 2012 indicates that 10,000 female residents have hypertension. Calculate the prevalence rate of hypertension among the female residents in Kisumu (3 marks)

SECTION II: ESSAY QUESTION (40 Marks)

Instructions: Answer ANY TWO questions from this section, each question carries 20 marks

1. Using examples of health related problems discuss the linkage between poverty and illness (20 marks)
2. Discuss the factors that influence the health status of a population (20 marks)
3. John is the health worker in charge of Sirembe Health Center. He has been given the responsibility of spearheading implementation of Primary Health Care programmes within the community served by the health center.
   a) Define Primary Health Care (2 marks)
   b) Discuss the strategies for implementing Primary Health Care (18 marks)
4. Using 5 examples discuss the impact of cultural practices on public health (20 marks)