

**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE  
AND TECHNOLOGY  
UNIVERSITY EXAMINATIONS 2013/2014  
THIRD YEAR SECOND SEMESTER EXAMINATIONS  
FOR THE DEGREE OF BACHELOR OF PUBLIC  
HEALTH AND COMMUNITY HEALTH**

**KISII LEARNING CENTRE**

**COURSE CODE: HCD 3223**

**TITLE: COMMUNICABLE AND NON COMMUNICABLE  
DISEASES**

**DATE:**

**TIME:**

**DURATION: 2 HOURS**

**INSTRUCTIONS**

- 1. THIS PAPER CONTAINS FIVE QUESTIONS.**
- 2. ANSWER QUESTION 1 (COMPULSORY) AND ANY  
OTHER TWO QUESTIONS.**
- 3. WRITE ALL ANSWERS IN THE BOOKLET PROVIDED**

1. (a) Describe the principles behind communicable disease control in Kenya. (12 marks)  
(b) Discuss the socio – medico risk factors associated to the spread of sexually transmitted infections among the reproductive age group. (10 marks)  
(c) Discuss the factors for the emergence and re-emergence of infections in Africa (8mks)
2. (a) State **four ways** by which nutritional assessment for malnourishment is carried out in modern healthcare. (4 mks)  
(b) Outline **four** behavioral factors that modify the prevalence of obesity in human Populations (4 marks)  
(b) Describe the lifecycle of plasmodium falciparum in human communities (12 marks)
3. (a) By using the epidemiologic triad outline the interaction of factors in tuberculosis epidemics in rural Africa. (8 marks)  
(b) Write an essay about Schistosomiasis. (12 marks)
4. (a) What do you understand by the following concepts?
  - (i) Endemic disease
  - (ii) Syndrome
  - (iii) Acute disease
  - (iv) Pathogenicity  
(b) Discuss the modes of infectious disease transmission in human communities. (16 marks)
5. Write short notes about the following diseases;
  - (a) Scabies (8 marks)
  - (b) Ascariasis (12 marks)