

**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)