

**JARAMOGI OGINGA ODINGA UNIVERSITY OF  
SCIENCE AND TECHNOLOGY**

**SCHOOL OF HEALTH SCIENCES**

**BUSIA LEARNING CENTRE**

**FIRST SEMESTER UNIVERSITY EXAMINATIONS 2013/2014**

**THIRD YEAR BSc CHD**

**HCD 3311: COMMUNICABLE DISEASES**

**AUGUST 2013 TIME: 9 AM - 11.00AM**

**INSTRUCTIONS**

1. This paper contains TWO sections.
2. Answer ALL questions in section A and ANY OTHER two questions in section B.
3. Write all answers in the answer booklets provided.
4. Write your registration number in all answer booklets.

**Section A: Short Answer Questions. Answer all of these. (30 Marks)**

1. Outline three major risk factors for leishmaniasis. **(3 marks)**
2. State the two main phases/clinical types of human African trypanosomiasis **(3 marks)**
3. What are the main methods of preventing typhoid infections ?**(3 marks)**
4. State the modes of transmission of plague **(3 marks)**
5. List three complications of measles **(3 marks)**
6. Outline three polio eradication strategies being implemented in Kenya **(3 marks)**
7. Define the term “zoonosis” giving any two examples **(3 marks)**
8. Why are we concerned about emerging and re-emerging diseases **(3 marks)**
9. Name the commonest cause of bacterial skin infections **(3 marks)**
10. Outline three social factors affecting disease control in Kenya **(3 marks)**

**Section B: Essays. Answer any TWO questions. (40 Marks)**

1. Discuss lymphatic filariasis under the following subheadings
  - a. Aetiology (3 marks)
  - b. Lifecycle (4 marks)
  - c. Clinical presentation (4 marks)
  - d. Treatment (4 marks)
  - e. Prevention (5 marks)
2. Discuss management of pneumonia under the following subheadings
  - a. Aetiology (4 marks)
  - b. Clinical presentation (5 marks)
  - c. Diagnosis and treatment (6 marks)
  - d. Prevention (5 marks)
3. Outline in detail the management of hepatitis B under the following subheadings:
  - a. Aetiology (2 marks)
  - b. Risk factors and transmission (6 marks)
  - c. Clinical presentation & complications (6 marks)
  - d. Treatment and prevention (6 marks)
4. Discuss the aetiology, clinical presentation, treatment and prevention of any two skin infections (20 marks)
5. Discuss polio under the following subheadings
  - a. Aetiology & transmission (4 marks)
  - b. The Four Pillars of the Global polio eradication initiative (6 marks)
  - c. Vaccination (4 marks)
  - d. Surveillance (4 marks)