

**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

# **UNIVERSITY EXAMINATIONS 2014/2015**

**THIRD YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH**

**IPH 2310: COMMUNICABLE DISEASES**

**DATE: DECEMBER 2014 TIME: 2 HOURS**

**INSTRUCTIONS:**

**ANSWER ALL QUESTIONS IN SECTION “A” AND ANY ONE QUESTION IN SECTION “B”**

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**SECTION A**

1. Distinguish the following
2. Eradication and elimination [2 marks]
3. Surveillance and monitoring [3 marks]
4. Outline the FOUR steps of managing a disease outbreak [6 marks]
5. Name any
6. THREE international notifiable diseases prone to epidemics [3 marks]
7. THRE international notifiable diseases targeted for eradication [3 marks]
8. Using relevant examples describe ONE level of prevention that can be applied before the onset of disease. [6 marks]
9. Describe the mode(s) of transmission of zoonoses between animals and humans. [6 marks]
10. Briefly explain how targeting the source of disease is an important component in preventing communicable disease. [6 marks]
11. (a) Describe the transmission of HINI influenza [2 marks]

(b) Give TWO other pathogens transmitted in a similar manner [2 marks]

(c) State TWO common preventive and control measuref for HINI influenza [2 marks]

1. Briefly describe the malaria burden on the health care systems in Kenya. [6 marks]

SECTION B

1. Elaborate communicable diseases as follows;
2. Epidemiologic classification [12 marks]
3. Clinical classification [10 marks]
4. (a) Distinguish emerging and reemerging disease giving two examples of each. [5 marks]

(b) Explain various reasons that have led to emerging and re emerging diseases [12 marks]

(c) Describe the control of emerging and re emerging diseases [5 marks]

1. Cholea outbreak have been reported in Kenya and other parts of Africa recently.
2. Describe cholera [2 marks]
3. Distinguish between an outbreak and a pandemic [3 marks]
4. Outline the spread of cholera from an infected person to a susceptible host. [4 marks]
5. Explain the main clinical features of cholera [5 marks]
6. Suppose there is an outbreak of cholera old town – Mombasa. Discuss the management of suspected / confirmed patients. [8 marks]