



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF HEALTH SCIENCES  
UNIVERSITY EXAMINATION FOR DEGREE OF MASTER PUBLIC HEALTH  
1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2018/2019 ACADEMIC YEAR  
KISUMU LEARNING CENTRE**

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**COURSE CODE: HMP 5134**

**COURSE TITLE: COMMUNICABLE DISEASE EPIDEMIOLOGY AND CONTROL**

**EXAM VENUE:**

**STREAM: MPH**

**DATE: ---**

**EXAM SESSION: 9.00-12.00**

**TIME: 3.00 HOURS**

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**Instructions:**

1. Answer Question One (Compulsary) and any other 3 questions
2. Candidates are advised not to write on the question paper.
3. Candidates must hand in their answer booklets to the invigilator while in the examination room.

## QUESTIONS

1. The globally recommended vaccines fall into four major categories. Discuss the immune response, safety and stability as well as the adverse reactions associated with each category. (15 marks)
2. Disease does not occur in a vacuum. Discuss the components in the vertices of the epidemiologic triad of disease causation. (15 marks)
3. As a public health expert, you have been requested by WHO to help Nairobi County in containment of the cholera outbreak. Outline the steps you would take in the investigation of the cholera outbreak. (15 marks)
4. Discuss the factors that have led to the emergence or re-emergence of infectious diseases. (15 marks)
5. Discuss the factors involved in the transmission of communicable diseases. (15 marks)
6. Using a specific communicable disease, discuss its natural history, risk factors as well as prevention and control strategies. (15 marks)