



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF MASTER
1ST YEAR 2nd SEMESTER 2023/2024 ACADEMIC YEAR
KISUMU CAMPUS**

COURSE CODE:

HMP 5135

COURSE TITLE: DISEASE SURVEILLANCE & OUTBREAK INVESTIGATION

EXAM VENUE: MAIN CAMPUS

STREAM: MASTERS

DATE: 14/1/25

EXAM SESSION: 14-17.00 HRS

TIME: 3.00 HOURS

Instructions:

- 1. Answer Question one compulsory and any two**
 - 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.**
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SECTION A
Answer question one (Compulsory)

Question One Compulsory

1. Imagine that during your normal operations you got in to discussions with chief health officer of a county of your choice and S/he realised that you are specialized in public health and a higher level of masters. During this discussion S/he identified you being a resourceful person in the field of public health. S/he awarded you a small consultancy to evaluate for them their surveillance system. Discuss in details the steps that you will follow when evaluating this surveillance system (20 Marks).

SECTION B
Answer any two Questions

2. During your assignment as an expert in public health at your work place by your supervisor. Who assigned you to come up with a review of the surveillance system. Discuss in details the **five** categories of surveillance that you would bring forward for discussion to your supervisor for consideration (20 Marks).
3. You being an expert of public health with specialty in disease surveillance. You are tasked by your employer so that you assist the department of health of your county of choice to make good use of data generated during surveillance system. Discuss clearly the usefulness way analysis and interpretation of data in surveillance system (20 Marks).
4. Imagine that you are tasked by an international organization dealing on prevention and control of communicable diseases in the region. You being an expert in public health, your specific task is being responsible for diseases surveillance and investigations. Discuss in details the **four** main importance of surveillance that you will discuss with the organizational management team (20 Marks).