



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES**

UNIVERSITY EXAMINATION FOR DEGREE OF MASTER PUBLIC HEALTH

1ST YEAR 2ND SEMESTER 2023/2024 ACADEMIC YEAR

KISUMU

COURSE CODE: HMP 5135

COURSE TITLE: Disease Surveillance & Out Break Investigation

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME:

3.00 HOURS

Instructions:

- 1.** Answer **Question One (1) that is compulsory** and any other **TWO (2) questions**.
- 2.** Candidates **MUST** not to write anything on the question paper.
- 3.** Candidates **MUST** hand in their answer booklets to the invigilator while in the examination room.

1. In disease surveillance and disease outbreak investigation embracing field epidemiology is very important in providing evidence. It is important for countries to build and sustain human capacity in field epidemiology.
 - a). Describe the specific areas that strengthen field epidemiologic capacity can serve (Mrks. 10).
 - b) Discuss the specific competencies that field epidemiologists should have with the ability to accomplish (Mrks. 10).
2. Assume that you have been contracted by an organization in your county of choice dealing on disease prevention and control program to assist them in evaluation of one of their projects. Discuss the first five steps that you will share with this organization when evaluating their surveillance system in details (Marks 20).
3. You being a public health expert and you have been consulted by an up coming organization to help them come up with a strong disease surveillance and outbreak investigation. Discuss in details the five categories of surveillance that you will recommend for them to institute in their program (Marks 20).
4. Assume that you applied for disease surveillance and outbreak investigation consultancy to a certain organization and your application has been considered and given the task. Discuss in details the five key principles of surveillance that you would recommend for this organization to maintain at all times (Marks 20).