



**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 2022/2023 ACADEMIC YEAR**

**UNIVERSITY EXAMINATION**

---

<b>COURSE CODE:</b>	<b>HMP 5111</b>
<b>COURSE TITLE:</b>	<b>PRINCIPLES OF PUBLIC HEALTH</b>
<b>EXAM VENUE:</b>	<b>STREAM:</b>
<b>DATE:</b>	<b>EXAM SESSION:</b>
<b>TIME:</b>	<b>3.00 HOURS</b>

---

**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 (a) Imagine that you applied for a consultancy with an organization of your choice that deals in disease prevention. During your assessment, you found that Primordial level of prevention needs to be instituted. Describe in details the way you will explain to the management of that organization the way they need consider primary level of prevention that will sort out the problem of prevalence of communicable diseases (10 Marks).

1 (b) During your engagement with the County government of your choice you did rapid assessment of disease control and you established that it was necessary to put more efforts on monitoring aspect of disease control to reduce the prevalence of communicable diseases in the County significantly. Explain the three main objectives of surveillance that inform the best way forward to sort out the problem of high disease prevalence in your county of choice (10 Marks).

2 (a) Assume that you have been employed by an organization that deals with disease prevention and control within a region and you identified that for the organization to achieve its goals effectively. The organization must involve community participation at all level of implementation of the activities. Discuss the key four principles of community participation framework that you will adhere to in-order for the organization to succeed (20 Marks).

3 Public health practice experienced different achievements during the 20<sup>th</sup> Century and these were realized as a result of implementation of certain strategies. Discuss in details about the four strategies that were employed and can be applied in the 21<sup>st</sup> Century to achieve better health outcomes (20 Marks).

4 Imagine that you have been identified by an organization operating in your county of choice dealing health promotion and they organized a conference that you were invited to be one of the key speakers and your area of sharing was concerned with causation of disease. Describe the explanation you will share with participants concerning the theory of medical model based on principles of science neutrality (20 Marks).

5 Assume that you have been tasked by County health management team you being a public health expert to help them understand some issues about the theory of epidemiological transition of diseases. Discuss the way you will explain the focus on relative risk of mortality by age and sex (20 Marks).