



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF MASTER PUBLIC HEALTH
1ST YEAR 2ND SEMESTER 2022/2023 ACADEMIC YEAR
KISUMU CAMPUS**

COURSE CODE: HES 5112

COURSE TITLE: DEMOGRAPHY AND HEALTH

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME:

3.00 HOURS

Instructions:

1. Answer **Question ONE (compulsory)** and any other **THREE** 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.

Answer question ONE and THREE other questions.

1. The demographic data shown is for community A. Use it to answer questions that follow.

Table 1 Demographic Data of community A

Age (yrs)	Population by 1 st July 2021	No. of Deaths (2021)
0 - 4	139	18
5 - 9	127	10
10 - 14	122	09
15 - 19	100	11
20 -24	120	06

- i. Estimate Age-Specific-Mortality Rates (5 marks).
 - ii. Which age would be at the greatest risk and why? (2 marks).
 - iii. Explain steps that may be used to investigate disease burden in community A (8 marks)
2. Discuss Malthusian Population Growth Theory. Draw examples globally and locally (15 Marks).
 3. (a) Highlight and describe health indicators in Demography and Health Surveys (10 Marks).
(b) Explain limitations of Demographic and Health Surveys (5 Marks).
 4. Discuss the most important ways that infectious diseases are affected by globalization (15 Marks).
 5. Explain different surveillance strategies used to track and investigate notifiable events (15 Marks).