



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

**UNIVERSITY EXAMINATION FOR CERTIFICATE IN COMMUNITY HEALTH AND  
DEVELOPMENT**

**1<sup>ST</sup> YEAR 2<sup>ND</sup> SEMESTER 2018/2019 ACADEMIC YEAR**

**KISII CAMPUS**

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**COURSE CODE: HCD 1125**

**COURSE TITLE: EPIDEMIOLOGY & PREVENTION OF COMM DISEASES**

**EXAM VENUE: ROOM 10      STREAM: (Cert. CommHlth&Dev)**

**DATE: 24<sup>TH</sup> APRIL 2019**

**EXAM SESSION: 12.00 – 1.30PM**

**TIME: 1 ½ HOURS**

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**Instructions:**

- 1. Answer all questions in section A and any other 2 questions in Section B.**
- 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**

**SECTION A (ANSWER ALL QUESTIONS IN THIS SECTION)**

- 1 Define the following terminologies as known in epidemiology and disease control (3mks)
  - (i) Host.
  - (ii) Immunity.
  - (iii) Incidence
  - (iv) Infection
  - (v) Infestation
  - (vi) Incubation period
- 2 Mention the five “Fs” which play an important role in fecal oral diseases transmission (3mks)
- 3 Name any three major schistoma species that cause schistosomiasis of humans (3mks)
- 4 (a) Define Measles (Rubella)-(1mk)
  - (b) Mention the prevention and control measures of measles (3mks) –
    - 5 Describe the term **direct transmission** of communicable diseases using the following sub headings (3mks)
      - (i) Definition
      - (ii) Examples of transmission
      - (iii) Examples of infections
      - (iv) Precautions
- 6 State any 3 prevention and control measures of poliomyelitis (3mks)
- 7 State the components of the epidemiological triad of causal factors (3mks)
- 8 (a) List any six ways in which infectious agents spread(3mks)
  - (b) Mention any 6 major areas of epidemiological disease causation (3mks)
- 9 (a) List the six factors involved in the chain of disease transmission (3mks)
  - (b) What do you understand by **Interruption of transmission** of a disease (2mks)

**SECTION B (ANSWER ANY TWO QUESTIONS)**

- 1 Transmission of communicable diseases may be direct or indirect. Justify (15mks)
- 2 Describe the main methods of controlling communicable diseases (15mks)
- 3 State effectively how you can ensure protection of a susceptible host is achieved (15mks)
- 4 Describe the prevention and control measures of Typhoid (15mks)