



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

**DECEMBER, 2018 UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY
HEALTH AND DEVELOPMENT**

1ST YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

NAMBALE CAMPUS

COURSE CODE: HDC 2111

COURSE TITLE: FUNDAMENTAL OF COMMUNITY HEALTH

EXAM VENUE: NAMBALE

STREAM: (Dip.Comm Hlth & Dev/Public Health)

DATE:

EXAM SESSION:

TIME: 1 ½ HOURS

Instructions:

- 1. Answer all questions in section A, and any other 2 questions in section B**
- 2. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A; (30MKS)

1. Define the following terms

- i) Pathogenicity
- ii) Virulence (2mks)

2. The health of the family can be influenced by both internal and external factors. In order for you to be able to assess and improve the health of a family, you need to have knowledge of these factors. Mention **four** internal factors that would influence the health of the family. (4mks)

3. a) Define community health.(2mks)

b) State four main goals of community health. (4mks)

4. Differentiate between '**direct and indirect modes of transmission**' with examples.(4mks)

5. Briefly describe the **four** main components of a health belief model. (4mks)

6. Explain the **three** principles of primary health care (PHC). (6mks)

7. Highlight four principles of community health. (4mks)

SECTION B (30MKS)

1 a) Differentiate between **point prevalence and period prevalence**. (4mks)

b) In a survey of 1,150 women who gave birth in Kakamega in 2000, a total of 468 reported taking a multivitamin at least 4 times a week during the month before becoming pregnant. Calculate the prevalence of frequent multivitamin use in this group.(5mks)

c) Discuss the '**concept of epidemiologic triad**' in occurrence of a disease.(6mks)

2. Discuss the theory of '*health belief model*' in health (15mks)

3. a) What is disease prevention? Discuss the *four* levels of disease prevention. (10mks)

b) A successful community health programme is one in which the community and health care providers collaborate to achieve the benefits. Mention atleast five benefits likely to be achieved in such programmes. (5mks)

4. As a community health officer, what methods are you likely to adopt in controlling diseases in the community. (15mks)