



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DIPLOMA IN
COMMUNITY HEALTH AND DEVELOPMENT
1ST YEAR 2ND SEMESTER 2022/2023 ACADEMIC YEAR
MAIN CAMPUS**

COURSE CODE: HDC 2124

**COURSE TITLE: PREVENTION AND CONTROL OF COMMUNICABLE AND
NON-COMMUNICABLE DISEASES**

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME: 3 HOURS

Instructions:

- 1. Answer all the questions in Section A and B, and any 2 questions in Section C.**
- 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: MCQ 10 Marks. Answer ALL questions

1. Chronic stress has been linked to which of these health problems? [1 mark]
 - A. Headache
 - B. Constipation
 - C. Depression
 - D. All the above
2. What pathogen causes influenza (the Flu)
 - A. Bacteria
 - B. Virus
 - C. Protozoa
 - D. Fungi
3. Which of the following can reduce the risk of getting genital herpes?
 - A. Use of male latex condom
 - B. Contraceptive
 - C. PrEP
 - D. Birth control pills
4. The probability that M. tuberculosis will be transmitted depends on?
 - A. Susceptibility (immune status) of the exposed individual.
 - B. Infectiousness of the person with TB.
 - C. Proximity, frequency, and duration of exposure.
 - D. Environmental factors that affect the concentration of M. tuberculosis organisms.
 - E. A, B, C, and D are correct.
5. Which of this organism is not classified as a living thing?
 - A. Protozoa
 - B. Bacteria
 - C. Virus
 - D. None of the of above
6. Which of these factors would reduce the risk of cardiovascular disease?
 - A. Drinking water
 - B. Exercising
 - C. Smoking
 - D. None of the above
7. Diseases that are always present in a community, usually at a low, constant, frequency are classified as an Pattern?
 - A. Epidemic
 - B. Endemic
 - C. Pandemic
 - D. None of the above
8. A diagnostic tool that uses powerful magnets to show images of the heart is:
 - A. a CT scan
 - B. an angioplasty
 - C. an electrocardiogram (EKG)
 - D. magnetic resonance imaging (MRI)
9. Which of the following increases risk for type 2 diabetes?
 - A. Not getting enough exercise
 - B. Being overweight
 - C. Advancing in age
 - D. All of the above
10. What type of cancer is associated with prolonged exposure to ultraviolet rays?
 - A. Lung cancer
 - B. Skin cancer
 - C. Breast cancer
 - D. Liver cancer

SECTION B: SAQs [20 marks]: Answer ALL questions

1. State any five characteristics of NCDs **[5 marks]**
2. Describe how malaria is transmitted from human to human, i.e. minus the vector? **[5 marks]**
3. Metabolic risk factors contribute to four key metabolic changes that increase the risk of NCDs: briefly, describe what are metabolic risk factors and state any two metabolic changes associated with these factors **[5 marks]**
4. State any 5 factors that may increase vertical transmission of HIV **[5 marks]**

Section C: LEQs (30mrks): Answer TWO questions

1. In not more than one page, describe strategies used to control and prevent leishmaniasis **[15 marks]**
2. Prostate Cancer or cancer of the prostate, occurs mostly in men who are 40 years and above . Explain the following
 - a. Risk factors associated with prostate cancer **[5 marks]**
 - b. Treatment prostate cancer **[5 marks]**
 - c. Prevention of prostate cancer **[5 marks]**
3. With examples, briefly describes how NCDs and communicable diseases differs **[15 marks]**