



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2023/2024

SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF  
BACHELOR OF HEALTH RECORDS AND INFORMATION MANAGEMENT

### HPR 3227: FUNDAMENTALS OF COMMUNICABLE AND NON-COMMUNICABLE DISEASES

DATE: APRIL 2024

TIME: 2 HOURS

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#### INSTRUCTIONS:

*Answer question one and any other two questions*

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#### QUESTION ONE (30 MARKS)

- a) Highlight any 5 risk factors for non-communicable diseases (5 marks)
- b) Define and give one example (5 marks)
  - i. Non modifiable risk factor
  - ii. Notifiable disease
  - iii. Emerging disease
  - iv. Zoonotic disease
  - v. Infectious diseases
- c) What are the key differences between communicable and non-communicable diseases (6 marks)

- d) Describe the major non-communicable diseases which significantly contribute to the global burden of disease (4 marks)
- e) State any five infectious risk factors for cancer (5 marks)
- f) Outline one major mode of transmission for each of the following diseases (5 marks)
- i. Cholera
  - ii. Tuberculosis
  - iii. Hepatitis B
  - iv. Tetanus
  - v. HIV

**SECTION B: LONG ANSWER QUESTIONS 40 MARKS)**

**Choose Any Two Questions**

1. A. "Prevention is better than cure" Discuss this statement in the context of non-communicable diseases (10 marks)  
B. The emergence of antibiotic-resistance strains of some bacteria pathogen poses a significant threat to global health. Using an example, outline the reasons behind this state of affair (10 marks)
2. A. "Kenya has a double burden of disease" Elaborate (10 marks)  
B. Outline the role of vaccine in global health maintenance (10 marks)
3. A. Infection remains the main cause of morbidity and mortality in humans, particularly in developing areas. Elaborate using any 4 reasons (10 marks)  
B. Vaccination is one of the most effective strategies for preventing the spread of communicable disease. Discuss (10 marks)