



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2023/2024

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF  
BACHELOR OF COMMUNITY HEALTH DEVELOPMENT

**HPP 3356: PREVENTION AND CONTROL OF 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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### SECTION A: SHORT ANSWER QUESTIONS (30 MARKS)

#### QUESTION 1

A. Define the following terms as applied in communicable diseases (1 Mark Each)

- i. Epidemic
- ii. Endemic
- iii. Carrier
- iv. Host
- v. Disease Eradication

B. The questions below are five marks each

- i. With an example, define a definitive host
  - ii. Discuss host factors that may facilitate susceptibility to communicable disease
  - iii. List five Preventable Causes of Disease
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- iv. List five disease control strategies that that can be applied at community level
- v. List five common characteristics of importance of communicable diseases

## **SECTION B - LONG ASWER OUESTIONS (40 MARKS)**

### **QUESTION ONE**

- i. By aid of a diagram, discuss the communicable disease cycle (10 marks)
- ii. In order for a disease to occur, the infective agents must escape from the reservoir discuss how you could prevent the escape in order to interrupt disease transmission process (10 marks)

### **QUESTION TWO**

- i. Discuss the five routes through which an infective agents can escape (10 marks)
- ii. Giving examples, discuss the levels of disease prevention (10 marks)

### **QUESTION THREE**

- i. Discuss the epidemiological triad (10 marks)
- ii. Discuss the factors influencing Pathogenic Mechanisms of Infectious Diseases (10 marks)