



## **MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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### **UNIVERSITY EXAMINATIONS 2024/2025**

**SECOND YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR  
OF SCIENCE IN COMMUNITY HEALTH AND DEVELOPMENT**

#### **HPP 3200: EPIDEMIOLOGY**

**DATE: JANUARY 2025**

**TIME: 2 HOURS**

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**INSTRUCTIONS: Answer All questions in Section A, and any other Two in Section B**

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#### **SECTION A**

1. Define the following terms (each 1 Mark)
  - i. Epidemiology (1 Mark)
  - ii. Population at risk (1 Mark)
  - iii. Case (1 Mark)
  - iv. Prevalence (1 Mark)
  - v. Disease surveillance (1 Mark)
  - vi. Pathogenicity (1 Mark)
2. List five pathogenic microorganisms (5 Marks)
3. Write short notes about human to human transmission of infections (5 Marks)

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**MUST is ISO 9001:2015 and**



**ISO/IEC 27001:2013 CERTIFIED**

4. Make short notes about bias epidemiology (5 Marks)
5. Discuss time, place and person in descriptive epidemiology (5 Marks).
6. List five objectives of exploratory data analysis (5 Marks)

**SECTION B CHOOSE ANY TWO QUESTIONS (40 MARKS)**

1. Discuss history of epidemiology (20 Marks)
2. With a diagram explain disease triad (20 Marks)
3. Discuss behavior or lifestyle as a risk factor of acquiring diseases (20 Marks)



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