



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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UNIVERSITY EXAMINATIONS 2024/2025

THIRD YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR  
OF SCIENCE IN HEALTH SYSTEM MANAGEMENT

**NNH 3305 – INTEGRATED DISEASE SURVEILLANCE**

**DATE: JANUARY 2025**

**TIME: 2 HOURS**

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**INSTRUCTIONS:** Answer Question **ONE** and any other **TWO** questions

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**QUESTION ONE**

- a) List 6 diseases that are of public health importance listed in the IDSR priority diseases in Kenya (3marks)
- b) State five ways in which a priority disease or condition may come to attention of a health system (5marks)
- c) State the four core functions of IDSR (4 marks)
- d) State how a comprehensive description of an outbreak investigations should include the following; (3 marks)
  - i. Time
  - ii. Place
  - iii. Person



e) Highlight the roles that International Health Regulations (II-IR) advocates/calls for  
(5 marks)

f) Describe the role of WHO on matters of disease surveillance in the African region  
(10 marks)

**QUESTION TWO (20 MARKS)**

To ensure effective collection of data for surveillance purposes, disease surveillance is carried out at various levels.

- i. Explain the four levels of disease surveillance (8marks)
- ii. Describe the steps of evaluating surveillance systems for purposes of improvement (12marks)

**QUESTION THREE (20 MARKS)**

Explain the role of technology in disease surveillance (20marks)

**QUESTION FOUR (20 MARKS)**

Describe the steps of carrying out an outbreak investigation (20marks)

