



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## UNIVERSITY EXAMINATIONS 2024/2025

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF  
SCIENCE IN PUBLIC HEALTH

### HPP 3111: FUNDAMENTALS OF PUBLIC HEALTH

DATE: JANUARY 2025

TIME: 2 HOURS

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

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#### SECTION A (30 MARKS)

1. Define public health (2 Marks)
2. Explain briefly the functions of a public health officer (4 Marks)
3. a. Explain briefly the roles of NGO on public health (5 Marks)  
b. Explain the roles of traditional healers on Public health (5 Marks)
4. a. Define the term Health (2 Marks)  
b. Define a community (2 Marks)
5. a. Define primary health care (3 Marks)  
b. Explain briefly the 3 principles of primary health care (4 Marks)
6. Define the following terms (3 Marks)
  - a. Outbreak
  - b. Pandemic
  - c. Endemic



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

**SECTION B. (40 MARKS) Answer Any Two Questions**

1. a. Define the following terms (5 Marks)
  - i. Hard Immunity
  - ii. Healthy Carriers
  - iii. Vaccine
  - iv. Disease Surveillance
  - v. Morbidity
- b. Describe the elements of primary health care (5 Marks)
2. Describe the effects of the following in disease prevention (10 Marks)
  - a) Refuse disposal
  - b) Housing
  - c) Food hygiene
  - d) Water supply
3. a. Describe the importance of community participation in public health (10 Marks)
- b. Describe the steps in investigation of an outbreak (10 Marks)

