



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## UNIVERSITY EXAMINATIONS 2022/2023

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE IN  
HEALTH SYSTEMS MANAGEMENT

### NNH 3102: PRINCIPLES OF PUBLIC HEALTH

DATE: AUGUST 2023

TIME: 2 HOURS

INSTRUCTIONS: Answer question one and any other two questions

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#### QUESTION ONE (30 MARKS)

- a) Public health aims to provide maximum benefit for (the largest number of people). State at least five activities of public health that helps to achieve this objective (5 marks)
- b) Differentiate between the public health model approach and medical model approach (3 marks)
- c) Explain public health approach from problem investigation to response (5 marks)
- d) Explain why crude death rate is considered just a fair indicator of the comparative health of the people (2 marks)
- e) Differentiate between event type and person type of disability rates (2 marks)
- f) State three elements that describe a carrier state (3 marks)
- g) State at-least five causes of emerging and re-emerging global epidemics (5 marks)
- h) State the two major roles of Ministry of Health in service delivery (2 marks)
- i) Define health according to World Health Organization standards (1 mark)
- j) Explain why crude death rate is considered just a fair indicator of the comparative health of the people (2 marks)

**QUESTION TWO (20 MARKS)**

- a) Explain five causes of emerging and re-emerging global epidemics (10 marks)
- b) Describe five great public health achievements that have reduced morbidity and mortality over the years (10 marks)

**QUESTION THREE (20 MARKS)**

Describe factors that affect health of a community from ecological perspective (20 marks)

**QUESTION FOUR (20 MARKS)**

Describe the role of health care indicators in influencing delivery of public health interventions (20 marks)