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UNIVERSITY EXAMINATIONS 2024/2025

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

NNH 3102 – PRINCIPLES PUBLIC HEALTH

DATE: JANUARY 2025   TIME: 2 HOURS

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

QUESTION ONE

1. The goal of public health is to provide the community with right to healthy and to live in conditions that support their health. Explain core functions of public health that contribute to this goal   (6 marks)

2. Distinguish the following terms as it applies in public health:
   a) Public health model versus the Medical model   (2 marks)
   b) Public health surveillance versus Public health epidemiology   (2 marks)

3. Describe three categories of health inequalities experienced by Kenyans   (6 marks)

4. Disability Adjusted Life Years (DALY S) is the number of years of healthy life lost due to premature mortality or disability. Explain five ways that DALYS can be used to provide equitable health services for people living with disabilities   (5 marks)

5. Meru Universality management is developing a survey questionnaire to understand students' satisfaction with University Clinic services. As a health systems management student, describe three Health System Performance Indicators you expect to see in the survey   (9 marks)

SECTION 11: SHORT ANSWER QUESTIONS (40 MARKS)

QUESTION TWO (20 MARKS)

Health is a holistic concept that involves not just the absence of illness but also the presence of well-being in multiple dimensions of a person's life. Explain the application of social determinants in addressing specific components of public health.   (20 marks)

QUESTION THREE (20 MARKS)

Diarrheal diseases continue to be top ten diseases among children under five years' children in Kenya and the region. Describe five ways that ministry of health can use to measure the health burden of diarrhea diseases in Kenya   (20 marks)

QUESTION FOUR (20 MARKS)

Using Covid-19 pandemic as a case example, explain how the ministry of health used public health data for prevention and response in Kenya   (20 marks)