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University Examinations 2024/2025

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF DOCTOR OF
PHILOSOPHY IN PUBLIC HEALTH

HPP 8114: EMERGING TRENDS IN PUBLIC HEALTH

DATE: JANUARY 2025

TIME: 3 HOURS

INSTRUCTIONS:

Answer all Questions in Question one and any other two Questions

QUESTION ONE (20 MARKS)

- a) Explain two (2) implications of an aging population in the health care system (4 Marks)
- b) State two (2) environmental health interventions used as public health responses to urbanization challenges (4 Marks)
- c) Mention two (2) public health interventions used control trans boundary diseases (2 marks)
- d) List down the six (6) components of health believe model used to predict health related behaviours (3 Marks)
- e) Explain two (2) functions of the public health officers and technicians' council (4 Marks)
- f) Name three (3) social determinants of health (3 Marks)

QUESTION TWO (20 MARKS)

- a) County X is experiencing a steady increase in its aging population. As a public health officer, propose and discuss effective public health strategies used to address the unique needs of this demographic change (20 Marks)

QUESTION THREE (20 MARKS)

As the County Chief executive committee for public health in County X, discuss how you use (the following strategies to minimize the risk of infectious diseases outbreak



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- i. Strengthening Disease Surveillance Systems (5 Marks)
- ii. Enhancing Public Health Infrastructure (5 Marks)
- iii. Community Engagement and Education (5 Marks)
- iv. Preventive measures and immunization Programs (5 Marks)

QUESTION FOUR (20 MARKS)

As a public health specialist, you are tasked with advising a county government on managing emerging environmental and occupational health challenges in their rapidly urbanizing region. Propose strategies you would use to address the following areas:

- a) Occupational safety and health initiatives (5 Marks)
- b) Environmental health management (5 Marks)
- c) Community-level preventive strategies to communicable diseases (5 Marks)
- d) Policy recommendations for enhancing primary health care (PHC) services (5 Marks)

QUESTION FIVE (20 MARKS)

Analyze a scenario where a public health officer encounters ethical and legal challenges while implementing a community vaccination program in a low-income rural area.

- a) Identify the possible ethical and legal challenges arising from the scenario (4 Marks)
- b) Explain two (2) legal frameworks that would influence the officer's actions (4 Marks)
- c) State three (3) ethical theories that could guide their decision making process (6 Marks)
- d) Discuss the role of professional associations in shaping ethical public health practices (6 Marks)

