



GRETSA UNIVERSITY - THIKA

UNIVERSITY EXAMINATIONS

JANUARY - APRIL 2017 SEMESTER

CERTIFICATE IN PUBLIC/ COMMUNITY HEALTH/ HEALTH RECORDS/ COMMUNITY NUTRITION

COURSE CODE: CIPH 010

COURSE TITLE: INTRODUCTION TO PUBLIC HEALTH

DATE: 3 APRIL 2017

TIME: 8.00 AM – 10.00 AM

INSTRUCTIONS TO CANDIDATES

1. SECTION A IS **COMPULSORY**.
2. SECTION B: ANSWER ANY OTHER **THREE** QUESTIONS.
3. **DO NOT** WRITE ANYTHING ON THIS QUESTION PAPER AS IT WILL BE AN EXAM IRREGULARITY.
4. ALL ROUGH WORK SHOULD BE AT THE BACK OF YOUR ANSWER BOOKLET AND CROSSED OUT.

CAUTION: All exam rooms are under CCTV surveillance during the examination period.

SECTION A

[ANSWER ALL QUESTIONS IN THIS SECTION]

MULTIPLE CHOICE QUESTIONS [1-5] [ONE MARK EACH]

1. What does the term 'mortality' refer to?
 - A. Death
 - B. Illness
 - C. Health
 - D. Morbidity

2. Which of the following is the best definition of public health?
 - A. Ensuring the health of the individual by maintaining and improving the health of the community
 - B. The science and art of preventing disease, prolonging life, and promoting health through the organized efforts of medical science
 - C. The process of mobilizing local, state/provincial, national and international resources to assure the conditions in which all people can be healthy
 - D. All of the above

3. The following are the 19th century theories of disease causality except :
 - A. Contagion theory
 - B. Supernatural theory
 - C. Personal behavior theory
 - D. The Multi Causal Theory

4. Public health does which of the following:
 - A. Mobilizes communities
 - B. Provides conditions conducive to health
 - C. Promotes healthy lifestyles
 - D. All of the above

5. Which of the following is NOT a modern challenge of public health?
 - A. Emergence of new pathogens.
 - B. Persistence of old diseases due to drug resistance/mutation
 - C. Growing burden of non communicable (chronic) diseases
 - D. Globalization, social dislocation, and war

6. State the role of water treatment and quality control in disease prevention as applied in Public Health. [5marks]

7. List any four determinants of health a community. [4marks]

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| 8. Outline any five elements of Health promotion | [5 marks] |
| 9. Elucidate any five core activities in public health | [5 marks] |
| 10. Outline any four ethical challenges in public health | [4 marks] |
| 11. Elucidate four components of family health activities. | [4 marks] |
| 12. Elucidate the stages of conventional water treatment | [4 marks] |
| 13. Elucidate the stages of conventional waste water treatment | [4 marks] |

SECTION B

[CHOOSE ANY THREE QUESTIONS]

1.

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| a) Which environmental health career interests you most and why? | [3 Marks] |
| b) What role does it serve in the practice of environmental health? | [2 Marks] |
| c) Explain the contribution of the following disciplines to Environmental health | |
| i. Nutrition | [5 Marks] |
| ii. Biostatistics | [5 Marks] |
| iii. Environmental Toxicology | [5 Marks] |

2.

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| a) Proper excreta disposal is critical in achieving public health in a community. Discuss | [10Marks] |
| b) Briefly explain the sources of water contamination | [6 Marks] |
| c) State the main goals of safe water system | [4 Marks] |

3.

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| a) Describe the importance of hygiene to the individual and community | [5 Marks] |
| b) Explain the various critical points in observing personal hygiene | [15 Marks] |

4. Briefly explain the theories that explain the models of disease causation in the community using relevant examples. [20 Marks]

5.

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| a) Describe the relationship between the health sector and development | [6 Marks] |
| b) Discuss the particular goals and targets in the Sustainable development goals which are relevant to the health sector. | [14 Marks] |