



GRETSA UNIVERSITY - THIKA

UNIVERSITY EXAMINATIONS

JANUARY - APRIL 2017 SEMESTER

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

COURSE CODE: CIPH 019

COURSE TITLE: COMMUNICABLE DISEASES

DATE: 3 APRIL 2017

TIME: 11.30 AM – 1.30 PM

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. Infectious disease results from an imbalance between _____, _____, and _____
 - A. Immune competence, host, exercise
 - B. Virus, bacteria, and parasite
 - C. Sleep, transmission, incubation time
 - D. Agent, host, and environment
2. Urbanization promotes the rapid spread of infectious diseases through:
 - A. Increasing population density (crowding)
 - B. Creating inadequate resources for safe waste disposal
 - C. Creating inadequate provision of safe drinking water
 - D. All of the above
3. Which of the following factors play(s) a role in appearance and transmission of infectious diseases?
 - A. Human host genetic profiles
 - B. Social factors
 - C. Political factors
 - D. All of the above
4. Which one of the following is a vector borne disease?
 - A. Measles
 - B. Tetanus
 - C. Yellow Fever
 - D. Rabies
5. Which of the following is not a communicable disease?
 - A. Yellow fever
 - B. Chikungunya
 - C. Kalazar
 - D. Anaemia
6. Give any four examples of diseases spread through faecal-oral route [5 marks]
7. Outline sources of water contamination [5 Marks]
8. State the main goals of safe water supply [5 Marks]

9. With appropriate examples distinguish between
- a) Epidemic and endemic diseases [4 Marks]
 - b) Vector and reservoir [4 marks]
 - c) Pathology and pathogenesis [2 marks]
10. With appropriate examples outline five categories of communicable diseases[5 Mark]
11. State the vectors for the following vector-borne diseases [5 Marks]
- a) Chikungunya
 - b) Kalazaar
 - c) Rift valley fever
 - d) Yellow fever
 - e) Chagas disease
12. Elucidate any five methods of controlling sexually transmitted diseases [5 marks]

SECTION B

[CHOOSE ANY THREE QUESTIONS]

- 1.
- a) Describe the epidemic investigation process [10 Marks]
 - b) Discuss disease surveillance as used in communicable diseases [10 Marks]
2. Describe the following diseases with regard to their cause ,clinical picture and control
- a) Tuberculosis [10 Marks]
 - b) Chikungunya [10 Marks]
- 3.
- a) Discuss the classification of communicable diseases [10 marks]
 - b) Explain any five differences between an eradication and elimination programs as used in communicable diseases [10 marks]
- 4.
- a) Highlight six risky factors of common airborne diseases [6 marks]
 - b) Discuss on the classification of sexually transmitted diseases [14 marks]