



GRETSA UNIVERSITY - THIKA

UNIVERSITY EXAMINATIONS JANUARY – APRIL 2017 SEMESTER

CERTIFICATE IN PUBLIC/COMMUNITY HEALTH

COURSE CODE: CICH 030

COURSE TITLE: ENVIRONMENTAL HEALTH AND SAFETY

DATE: 4 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. One of the following arthropods is a vector.
 - a. Sand-fly
 - b. Butterfly
 - c. Moths
 - d. Fire fly
2. The following levels of health care in the community, except one
 - a. Tere IV
 - b. Secondary Health Care
 - c. Tere II
 - d. Tere III
3. One of the following is not a pillar of Environmental Health.
 - a. Treatment and management of common endemic diseases
 - b. Prevention of diseases
 - c. Control of common diseases in the community
 - d. Elimination of diseases and promoting healthy standards in the community
4. Identify a statement that is not true about sanitation.
 - a. 5th May every year is world hand washing day
 - b. Menstrual hygiene
 - c. Promotes healthy living standards
 - d. Treats common water borne diseases
5. Disease intervention in Public Health applies to the following except one:
 - a. Way of stopping the disease from being transmitted
 - b. Hygiene is an intervention practice
 - c. Treatment of common ailments
 - d. Vector control is an intervention

SHORT ANSWER QUESTIONS: ANSWER ALL QUESTIONS IN THIS SECTION**Question Six**

- a. What is waste? Why is waste management important in environmental health? **(5marks)**
- b. What is hygiene? Briefly explain forms of hygiene practices in that you will promote in the community. **(5marks)**
- c. Explain the significance of sanitation in a community. **(5marks)**
- d. What is environmental health? Identify any four roles that environmental health plays in Public Health. **(5marks)**

- e. What is an intervention? Identify intervention approaches for diarrheal diseases in the community that you can promote. **(5marks)**
- f. Explain determinants of health in the community. **(5marks)**
- g. Explain briefly the stages in conventional community water treatment and why it is important in promoting community health. **(5marks)**

SECTION B. (ANSWER ANY THREE QUESTIONS IN THIS SECTION)

Question Seven

Diarrheal diseases are leading causes of death among children and are common in developing countries. Discuss:

- a. How diarrhea disease are transmitted in the community. **(10marks)**
- b. Health interventions at the various stages in the transmission of diarrhea that you will enforce as a health officer to control these diseases. **(10marks)**

Question Eight

- a. What is sanitation? Discuss types of sanitation and why they are important in Environmental Health. **(15marks)**
- b. Explain sanitation activities that you can encourage a community in your area of work to practice in order to prevent common diarrheal diseases. **(5marks)**

Question Nine

- a. What is pollution? By providing relevant examples and how to prevent pollution, discuss the types of pollution. In each case state the health effects associated with it. **(15marks)**
- b. Identify and explain causes of diseases other than contamination. In each cause provide examples of diseases associated with it. **(5marks)**

Question Ten

- a. What is an environmental Hazard? Discuss with the help of examples, types of environmental hazards. **(15marks)**
- b. Explain your role as a health officer in controlling the hazards you have identified above in the above question. **(5marks)**