



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
BACHELOR OF SCIENCE IN COMMUNITY HEALTH
SPECIAL/SUPPLEMENTARY EXAM, MARCH 11TH-15TH MARCH 2024

CHP: CHP 221 NON- COMMUNICABLE DISEASES

Date: Tuesday 12th March 2024

Time: 2 hours Start: 4.30 Stop: 6.30 am

INSTRUCTIONS

1. This exam is marked out of 70 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (30 Marks)
Section B: Long Answer Questions (40 Marks)
3. All questions in Section A are compulsory and Answer any TWO questions in Section B
4. This online exam shall take 2 Hours
5. Late submission of the answers will not be accepted
6. Ensure your web-camera is on at all times during the examination period
7. No movement is allowed during the examination
8. Idling of your machine for 5 min or more will lead to lock out from the exam
9. The Learning Management System (LMS) has inbuilt integrity checks to detect cheating
10. Any aspect of cheating detected during and or after the exam administration will lead to nullification of your exam
11. In case you have any questions call the invigilator on Head of Department on Tel +254720573449 or Ag Head of Department +254723742370
12. For adverse incidences please write an email to: amiu.examinations@amref.ac.ke

SECTION A: COMPULSORY (30 Marks)

Short Answer Questions

1. State the 4 main risk factors that contribute to the development of NCDs (4 Marks)
2. Outline 6 signs and symptoms that patients with Diabetes Mellitus suffer from (6 Marks)
3. State the pathophysiology associated with the development (9 Marks)
4. Outline 6 signs and symptoms experienced by patients who are known to have depression (6 Marks)
5. List 5 strategies that can be used to reduce the number of accidents caused by boda-bodas in Kenya (5 Marks)

SECTION B (Set 3 Questions each 20 Marks)

ANSWER ANY TWO (2) QUESTIONS (40 Marks)

Long Answer Questions

1. Mutielu has been a smoker for the past 20 years, smoking about 8 cigarettes on a daily basis. He presents to the facility with a productive cough and difficulty in breathing. (20 Marks)

Discuss the disease within the following areas of interest
 - a. State the disease Mutielu is ailing from (2 Marks)
 - b. Risk factors associated with the development of the disease (5 Marks)
 - c. Discuss the triad that leads to the development to the symptoms in the patients (6 marks)
 - d. Signs and symptoms of the disease (4 marks)
 - e. Prevention (3 Marks)
2. Expound the 10 objectives as described in the Kenya NCD policy that are designed to reduce the rates of NCD in Kenya (20 marks)
3. Hypertension is considered to be one of the major Non-Communicable Diseases. Salama is a mother of 3 children who was diagnosed with high blood pressure. (20 Marks)
 - a. Define hypertension (2 Marks)
 - b. State the 3 major classifications of Hypertension (3 Marks)
 - c. What are the signs and symptoms of hypertension? (4 Marks)
 - d. List 4 complications associated with the development of hypertension (4 Marks)
 - e. Treatment (3 Marks)
 - f. Describe the different ways which can be utilized to prevent the development of hypertension (4 Marks)