



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE (ENVIRONMENTAL HEALTH)

HEH 308: NON-COMMUNICABLE DISEASES

DATE: Thursday 29th March 2012

TIME: 4.30p.m – 6.30p.m

INSTRUCTIONS

1. Attempt **all** questions in Section A (20marks)
2. Question **One** in Section B is Compulsory (20marks)
3. Choose any other **two** questions form Section B (30 marks)

Section A

Question 1

- a) Outline the levels of prevention of non-communicable disease and give two examples of preventive measures to be taken at each level. [6marks]
- b) State four different types of carcinogens and their possible action. [4marks]
- c) Outline three main risk factors for cardio-vascular diseases and give two examples of cardio-vascular diseases. [5marks]
- d) Define five major Non-Communicable diseases of the greatest concern to low income Counties. [5marks]

Section B

Question 1

The NCD epidemic has a serious negative impact on human development. Discuss the economic impact of NCD on households, health systems and national incomes. [20marks]

Question 2

- a) Classify and explain alcohol and substance related disorders according to DSM-IV-TR. [5marks]
- b) Discuss 5 different types of injuries and how they can be prevented. [10marks]

Question 3

- a) Apply the Haddon's ten basic disease control strategies to discuss the control of spinal cord injury. [10marks]
- b) Illustrate diagrammatically the web of causation of coronary artery diseases as a non-communicable disease and explain each of the terms involve in the diagram. [5marks]

Question 4

- a) Giving examples, explain the 4 basic types of cancer education programmes and their importance in the fight against common cancers. [8marks]
- b) Explain the signs and cardinal symptoms of heart failure. [7marks]

Question 5

- a) Nearly 80% of NCD-related deaths occur in low and middle income counties, and the burden of premature deaths is also much greater in these counties. Discuss the key strategies of addressing, NCD at country and global levels according to the 2008-2013Action plan for the global strategy for the prevention and control of NCDs. [15marks]