

70



*(University of Choice)*

**MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**(MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**MAIN EXAM**

**2023/2024 ACADEMIC YEAR**

**THIRD /SECOND YEAR FIRST SEMESTER EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL AND B.Sc.  
IN COMMUNITY HEALTH AND DEVELOPMENT**

**COURSE CODE: HEH 317/HCD 212**

**COURSE TITLE: NON-COMMUNICABLE DISEASES**

**DATE: 8/12/2023**

**TIME: 3.00-5.00 PM**

---

**INSTRUCTIONS TO CANDIDATES: ANSWER SECTION A ALL QUESTIONS AND  
SECTION B TWO QUESTIONS.**

**TIME: 2 Hours**

MMUST observes ZERO tolerance to examination cheating

Paper Consists of 2 Printed Pages. Please Turn Over



**SECTION A: SHORT ANSWER QUESTION (40 MARKS)**

1. Define the following terminologies **(4 Marks)**
  - a) Obesity
  - b) Ischemic shock
  - c) Diabetes
  - d) Cancer
2. Outline any four physiological etiology of non-communicable diseases **(4 Marks)**
3. What is the implication/importance of assessment of waist circumference **(4 Marks)**
4. State two classification of hypertension **(4 Marks)**
5. Briefly explain how obesity may as risk of hypertension **(4 Marks)**
6. Outline four non-modifiable risk factors of hypertension **(4 Marks)**
7. Highlight on complications associated with diabetes **(4 Marks)**
8. State any four WHO's approach pillars for cancer **(4 Marks)**
9. List examples of virus associated with etiology of tumors **(4 Marks)**
10. List two types of stroke and at least two causative actor **(4 Marks)**

**SECTION C: LONG ANSWER QUESTION (30 MARKS)**

11. Discuss any three types of diabetes **(15 Marks)**
  - a) definition,
  - b) risk factor
  - c) prevention and control
12. Describe with examples common etiological risk factor of cancers **(15 Marks)**
13. Study of environmental and community health involve engagement in health promotion activities, provided you have been appointed as a keynote speaker in community sensitization of prevention and control measure of non-communicable diseases, describe approaches you will share with the society. **(15 Marks)**