



**TECHNICAL UNIVERSITY OF MOMBASA**  
FACULTY OF APPLIED AND HEALTH SCIENCES  
DEPARTMENT OF ENVIROMENT & HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR:**  
DEGREE  
ACM 4305: **NON COMMUNICABLE DISEASES**

END OF SEMESTER EXAMINATION

**SERIES:AUGUST2019**

**TIME:2HOURS**

**DATE:**Pick DateSelect MonthPick Year

**Instructions to Candidates**

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attemptquestion ONE (Compulsory) and any other **TWO** questions.

**Do not write on the question paper.**

**Question ONE**

**(30 Marks)**

- d. List the four metabolic risk factors (4 marks)
- b. Define the meaning of metabolic risk factors in non-communicable disease (4marks)
- c. List any four major non communicable diseases prevalent in your County. (4marks)
- a. List the complication of diabetic mellitus (4marks)
- e. Cervical cancer is one of the most common cancers in women, list the risk factors associated with this cancer (4marks)
- b. List the differences between type 1 and type 2 diabetes mellitus (6 marks)
- g. With examples, explain the difference between modifiable and non-modifiable risk factors to non-communicable diseases? (6marks)

**Question TWO**

**(20 marks)**

- d. Briefly describe the two tests mainly used in the screening of prostate cancer (6 marks)
- f. Define rheumatoid arthritis and list its main characteristics (6marks)
- e. What are the challenges faced by patients in the low income countries in the prevention and control of non-communicable disease. (4marks)
- g. Define gestational diabetes mellitus (4 marks)

**Question THREE (20 marks)**

- a. Define rheumatoid arthritis giving basic characteristics of a patient with the condition. (6 marks)
- b. Outline the risk factors for rheumatoid arthritis (3 marks)
- c. Giving examples, define what antioxidants are as used in cancer prevention and management (5marks)
- d. Define osteoporosis and list the risk factors associated (6 marks)

**Question FOUR (20 marks)**

- a. List the four common non communicable diseases and the four shared modifiable risk factors (6 marks)
- b. Define asthma and describe the various types of asthmatic attacks. (6 marks)
- c. Explain how asthma attacks can be prevented or alleviated (8 marks)

**Question FIVE (20 marks)**

- a. Define the term non communicable diseases, giving their characteristics and the major types of NCDS (8marks)
- b. Name the risk factors for breast cancer (7 marks)
- c. State the preventive measures to reduce risk of breast cancer (5 marks)