



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## UNIVERSITY EXAMINATIONS 2024/2025

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH, BACHELOR OF SCIENCE IN CLINICAL MEDICINE AND COMMUNITY HEALTH, BACHELOR OF SCIENCE IN COMMUNITY HEALTH AND DEVELOPMENT, BACHELOR OF SCIENCE IN MEDICAL MICROBIOLOGY, BACHELOR OF SCIENCE IN MEDICAL LABORATORY AND BACHELOR OF SCIENCE IN HEALTH RECORDS AND INFORMATION MANAGEMENT

### HCU 3101: CLIMATE CHANGE AND HEALTH

DATE: JANUARY 2025

TIME: 2 HOURS

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**INSTRUCTIONS: Answer Question ONE and any other TWO questions.**

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#### QUESTION ONE (30 MARKS)

- a) Outline how extreme weather events affect public health (4 Marks)
- b) Discuss how rising temperatures affect vector-borne diseases (4 Marks)
- c) Describe the impact of climate change on mental health (4 Marks)
- d) Outline how food security is interrelated with climate change and health (4 Marks)
- e) Discuss the health implications of water scarcity caused by climate change (4Marks)

#### QUESTION TWO (20 MARKS)

Discuss the impacts of climate change on respiratory health in urban populations (20 Marks)



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

### **QUESTION THREE (20 MARKS)**

Discuss the potential mental health impacts of climate change and how they can be addressed.  
(20 Marks)

### **QUESTION FOUR (20 MARKS)**

Discuss the role played by climate change in the spread of infectious diseases and strategies that can be implemented to mitigate those effects.  
(20 Marks)

