



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## UNIVERSITY EXAMINATIONS 2023/2024

FOURTH YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR  
OF SCIENCE IN COMMUNITY HEALTH AND DEVELOPMENT

### HPP 3402: EMERGING TRENDS IN ENVIRONMENTAL HEALTH

DATE: JANUARY 2025

TIME: 2 HOURS

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INSTRUCTIONS: *Answer questions One and any other Two*

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#### QUESTION ONE (30 MARKS)

- a) Explain the meaning of the following concepts
  - i. Tragedy of commons
  - ii. Biomagnification
  - iii. Globalization
  - iv. Greenhouse effect
  - v. Carrying capacity (5 Marks)
- b) Cite the role played by conducting environmental impact assessment before initiating development- projects (5 Marks)
- c) Outline the environmental impacts of acid rain precipitation (5 Marks)
- d) Describe the phenomenon of photochemical smog (5 Marks)
- e) Describe any five compounds that cause pollution of water bodies (5 Marks)
- f) Highlight five social determinants for health in urban populations (5 Marks)



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

## **QUESTION TWO (20 MARKS)**

- a) Elucidate the impact of globalization on human health (10 Marks)
- b) Describe the considerations that planners must take into consideration when designing a sustainable city (10 Marks)

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

- a) Global warming is both a blessing and a curse on human existence. Discuss this statement highlighting the effect of global warming on human health (10 Marks)
- b) discuss the importance of undertaking environmental impact assessment prior to initiation of development projects (10 Marks)

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

- a) Encapsulate the strategies that governments can adopt to curb the effects of climate change. (10 Marks)
- b) Show five categories of the emerging environmental issues identified by UNEP in 2011 (10 Marks)

