



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2023/2024

FIRST YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF  
SCIENCE IN HEALTH SYSTEMS MANAGEMENT

### NNH 3202: CRITICAL THINKING AND ACADEMIC WRITING IN HEALTH

DATE: DECEMBER 2023

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) Define the following terms (6 marks)
  - (i) Critical thinking
  - (ii) Academic writing
  - (iii) Heuristics of critical thinking
- b) State three barriers of effective decision making (3 marks)
- c) Explain three types of heuristics (6 marks)
- d) Explain four steps of writing an academic essay (8 marks)
- e) State seven components of problems solving (7 marks)

#### QUESTION TWO (20 MARKS)

You are the Chief Executive Officer in a new health facility in your county. Using the critical thinking steps of problem solving, describe how you would solve the problem of the drainage system in the facility (20 marks)



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

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**QUESTION THREE (20 MARKS)**

Using illustrations from a health setting, describe five components of critical thinking

(20 marks)

**QUESTION FOUR (20 MARKS)**

Describe the five step model of literature search as used in health systems management

(20 marks)

