



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 - Meru-Kenya.
Tel: +254(0) 799 529 958, +254(0) 799 529 959, +254 (0)712 524 293
Website: www.must.ac.ke Email: info@mucst.ac.ke

UNIVERSITY EXAMINATIONS 2024/2025

FOURTH YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF SCIENCE IN PUBLIC HEALTH

HPP 3413: CONSERVANCY

DATE: JANUARY 2025

TIME: 2 HOURS

INSTRUCTIONS: Answer Question ONE and any other TWO questions.

QUESTION ONE (30 MARKS)

- a) Describe environmental limitations to the provision of pit latrines (2 Marks)
- b) Describe the possible contaminants of ground water associated with pit latrines (5 Marks)
- c) Differentiate between the traditional and the Ventilate Improved Pit latrine (VIP) (4 Marks)
- d) Describe the features of a VIP latrine and how it works (4 Marks)
- e) Explain the advantages and disadvantages of using a pour flush latrine (4 Marks)
- f) Describe the materials and specifications of a bucket latrine (3 Marks)
- g) Explain the pros and cons of using a communal latrine. (4 Marks)
- h) Describe two feasible means of human faecal matter disposal in an emergency (4 Marks)

QUESTION TWO (20 MARKS)

Write short notes on the use of human faecal matter under the following headings;



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ISO/IEC 27001:2013 CERTIFIED

- i. Agriculture
- ii. Aquaculture
- iii. Biogas production
- iv. Direct Discharge into sewers and burial pits

QUESTION THREE (20 MARKS)

Compare and contrast Aqua privy and pour flush as methods of excreta disposal. (20 Marks)

QUESTION FOUR (20 MARKS)

Discuss the merits and demerits of conservancy methods. (20 Marks)



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