



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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UNIVERSITY EXAMINATIONS 2024/2025

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

**NNH 3403 – HOSPITAL INFRASTRUCTURE AND FACILITY MANAGEMENT**

**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

- a) Define the following terms (5 Marks)
- Hospital infrastructure
  - Hospital equipment
  - Equipment down town
  - Equipment calibration
  - Healthcare technology management (HTM)
- b) Outline the role of individuals in healthcare infrastructure (5 Marks)
- c) Explain the challenges faced by maintenance departments (5 Marks)
- d) Outline be the components of a planned preventive maintenance (PPM) (5 Marks)
- e) Explain the benefits of effective health facility information management (5 Marks)
- f) Describe the calibration process (5 Marks)

## QUESTION TWO (20MARKS)

Managing a health facility is unique and complex due to the critical nature of the services provided.



- a) Explain the aspects that make managing a health facility distinctive (15 Marks)
- b) Identify the key differences in managing health facilities (5 Marks)

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

You have been posted to Kita hospital where the facility has challenges with equipment downtime. As the health administrator in this hospital.

- a) Explain how would you manage and minimize equipment downtime.
- b) Describe the approaches of inventory taking and keeping in healthcare system.

### **QUESTION FOUR (20 Marks)**

Hospital infrastructure and facility management face several challenges globally. Outline the challenges in healthcare infrastructure and the strategies to address these healthcare infrastructure challenges.

