



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT
BACHELOR OF SCIENCE IN HEALTH SYSTEMS MANAGEMENT AND
DEVELOPMENT
END OF SECOND SEMESTER EXAMINATION MAY-AUGUST 2025
HMD 322: HOSPITAL INFRASTRUCTURE AND FACILITY MANAGEMENT

TIME: Two Hours

Date : 6th August 2025

TIME : Two (2) Hours **Start:** 9:00 a.m **End:** 11:00a.m

INSTRUCTIONS TO CANDIDATES

- 1) This exam is out of 70 marks
- 2) Section-A is compulsory with a Total of 30 Marks
- 3) Answer any TWO (2) questions in Section B

Read carefully the additional instructions preceding each section.

SECTION A: COMPULSORY (30 Marks)

1. Define the following terms:

- a) Hospital infrastructure (2 marks)
- b) Equipment calibration (1 marks)
- c) Healthcare Technology Management (2 marks)
- d)

2. List 5(five) principles underpinning support services in a hospital (5mks)

3. Indicate 5(five) key responsibilities of a hospital manager. (5mks)

4. Identify 5(five) benefits of a successful procurement and commissioning process (5mks)

5. Describe 5(five) importances of preventive maintenance in health facilities. (3mks)

6. Outline 5(five) challenges in inventory management and control (5mks)

SECTION B: ANSWER ANY TWO (2) QUESTIONS (40 Marks)

7. You have been posted to Tumaini hospital where the facility has challenges with equipment downtime. As the health administrator in this hospital (20 marks)

a) Explain 5 (five) ways would you manage to minimize equipment downtime.

b) Describe 5 (five) approaches to inventory management facilities management

8. Describe 5 (five) roles of infrastructure and equipment management in improving healthcare service delivery (20 marks)

9. Discuss 5 (five) activities to be undertaken to mitigate risk involved in Healthcare facilities technology management (10 marks)

10. Examine 5 (five) impacts of effective hospital administration on the overall performance of