



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT
BSC HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT
END OF MAY-AUGUST SEMESTER EXAMINATION 2026

HMD 115: Foundation of Health Systems Main Exam Paper

TIME: Two (2) Hours **Start:** 5:30 pm **Stop:** 7:30 pm

DATE: 7th AUGUST 2026

INSTRUCTIONS TO CANDIDATES

- 1) This paper has Sections A and B
- 2) The examination paper is out of 70 marks
- 3) Answer ALL questions in Section A
- 4) For Section B, answer any two (2) questions of your choice

Read carefully the additional instructions preceding each section

SECTION A: SHORT ANSWER QUESTIONS. ANSWER ALL QUESTIONS

(30 Marks)

1. Mention FOUR reasons why health is a business for all development sectors and not the health sector alone. (4 marks)
2. Outline FOUR core components of a health system. (4 marks)
3. List four key challenges associated with financing health care in Africa. (2 marks)
4. State FOUR objectives of health systems management. (4 marks)
5. Identify FOUR reasons why over-reliance on donor funded vaccine acquisition is not strategically sound. (4 marks)
6. Outline THREE principles that guide health systems performance. (3 marks)
7. Identify THREE elements of systems thinking in health systems management. (3 marks)
8. State FOUR characteristics of an effective health system. (4 marks)
9. State TWO functions of a Health Information System (HIS) in health systems management. (2 marks)

SECTION B

LONG ANSWER QUESTIONS: ANSWER ANY TWO (2) QUESTIONS (40 Marks)

1. Analyse how systems thinking can be applied to improve health system performance, using relevant examples from healthcare practice. (20 marks)
2. Examine FOUR principles of effective health service delivery and explain how they contribute to improved health outcomes. (20 marks)
3. Case Scenario: A regional health system is facing challenges including poor coordination between levels of care, limited community engagement, inadequate monitoring of health indicators, and inefficient use of available resources based on the case scenario.
 - a) Analyse FOUR system-level challenges presented in the case using health systems concepts. (12 marks)
 - b) Assess the effects of the challenges (in a) on health system performance. (4 marks)
 - c) Discuss TWO practical strategies to improve health system effectiveness. (4 marks)