



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 SEMESTER EXAMINATION SEPTEMBER-DECEMBER 2025

MAIN EXAM

UNIT CODE: HMD 233 UNIT NAME: ENVIRONMENTAL HEALTH
MANAGEMENT

TIME: Two Hours
DATE: December 2025
TIME : Two (2) Hours Start-----End.....

INSTRUCTIONS TO CANDIDATES

This exam is out of 70 marks

Section-A is compulsory with a Total of 30 Marks

Answer any TWO (2) questions in Section B

Read carefully the additional instructions preceding each section.

Section-A ANSWER ALL QUESTIONS (30 Marks)

1. Identify FOUR determinants of a safe and healthy environment(4 Marks)
2. Highlight the importance of housing in environmental health (3 marks)
3. Identify three factors that affect water usage. (3marks)

4. State three classifications of solid waste. (3 marks)
5. Mention two problems caused by poor solid waste disposal (2 Marks)
6. Outline three objective of food hygiene. (3 mark)
7. State two methods used to make milk safe for human consumption.(2Marks)
8. Mention three methods of controlling workplace hazards.(3Marks)
9. Identify three causes of workplace accidents. (3 marks)
10. Outline the importance of occupational health services. (4 marks)

Section B Answer any TWO (2) questions 20 Marks each

11. a) Poor housing and land-use planning can contribute to environmental-health challenges in an urban settlement. Discuss six of these challenges (12 Marks)
b) Suggest Four practical interventions to mitigate these challenges in a) above (8 Marks)
12. a) Developing countries are facing challenges in solid waste management. Discuss (10 Marks)
b) Propose a sustainable strategy for challenges in 3a) above that integrates community participation and appropriate technology. (10 Marks)
13. A food-processing plant in your region has recorded recurrent cases of food-borne illnesses. As community health expert,
a) Explain how you would conduct an inspection (10 Marks)
b) Outline five hygiene and safety measures to prevent further contamination. (10 Marks)