



**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 DECEMBER 2024**

**HMD 216 HEALTH NEEDS AND ASSESSMENT**

**TIME:** Two Hours

**Date :** December 2024

**TIME :** Two (2) Hours      **Start:** 4:30 pm      **End:** 6:30 pm

**INSTRUCTIONS TO CANDIDATES**

1. This exam is marked out of 70 marks.
2. This examination comprises TWO sections:  
**Section A:** Compulsory Questions (30 marks)  
**Section B:** Long Answer Questions (40 marks)
3. Answer ALL questions in Section A.
4. For Section B, answer any two (2) questions of your choice.
5. Use the university examination booklets provided.
6. Write your student registration number on all your answer sheets.

## **SECTION A: COMPULSORY (30 Marks)**

### **Short Answer Questions**

1. (a) Define health equity in relation to health needs assessment. (3 marks)  
(b) Define health equality in relation to health needs assessment. (2 marks)
2. Identify four frameworks or models used for conducting health needs assessments. (4 marks)
3. Identify two ways that demographic data can inform health needs assessment processes. (2 marks)
4. State two challenges faced when conducting health needs assessments in low-resource settings. (2 marks)
5. Highlight three benefits of utilizing qualitative methods in health needs assessments. (3 marks)
6. Identify three data sources that can be used to gather information for health needs assessments. (3 marks)
7. Describe three ethical considerations to keep in mind while conducting health needs assessments. (3 marks)
8. Identify four indicators that can be used to measure the effectiveness of health interventions post-assessment. (4 marks)
9. Describe three strategies for ensuring community ownership of health programs resulting from needs assessments. (3 marks)
10. Given an intervention aimed at improving access to clean water that enhances health quality by a utility of 0.5 with benefits lasting 25 years and a cost of KSh 25,000,000; calculate the QALYs and cost-effectiveness ratio for this intervention. (4 marks)

## **SECTION B: Answer any two questions in this section (40 marks)**

### **Long Answer Questions**

11. a) As a health program manager in a rural area, describe the process of conducting a community health needs assessment focusing on management of hypertension. (10 marks)  
b) In relation to 11 (a) above, discuss the specific tools you would use to conduct community health needs assessment (10 marks)
12. Discuss five (5) ways in which government policies can influence the outcomes of health needs assessments in different communities. (20 marks).

13. Discuss the methodology you would use to assess the needs of children and families when evaluating a public health intervention aimed at reducing childhood obesity. (20 marks)

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