



**AMREF INTERNATIONAL UNIVERSITY**  
**SCHOOL OF PUBLIC HEALTH**  
**DEPARTMENT OF COMMUNITY HEALTH**  
**BACHELOR OF SCIENCE IN COMMUNITY HEALTH**  
**END OF SEMESTER EXAMINATION DECEMBER 2024**

**CHP 225:** DRUG AND SUBSTANCE ABUSE

**DATE:** WEDNESDAY 4<sup>TH</sup> DECEMBER, 2024

**TIME:** TWO HOURS      **START:** 4.30PM      **FINISH** 6.30PM

**INSTRUCTIONS**

1. This exam is marked out of 70 marks
2. This Examination comprises TWO Sections  
**Section A:** Compulsory Question (30 Marks)  
**Section B:** Long Answer Questions (40 Marks)
3. All questions in Section A are compulsory
4. Answer any TWO questions in Section B

**SECTION A: COMPULSORY (30 MARKS). SHORT ANSWER QUESTIONS**

1. Explain the medical basis for detoxication in drug addiction treatment (2marks)
2. Define the term 'standard drink' (2marks)
3. Using relevant examples, differentiate between demand reduction and supply suppression in the fight against drug abuse (4marks)
4. By use of relevant examples, explain the term "Enabler" in the context of alcohol use, abuse and dependency (4marks)
5. State four signs and symptoms of marijuana use (4 marks)
6. Explain why ethyl alcohol (ethanol) is indicated in treating methyl alcohol (methanol) poisoning (2marks)
7. Mention any two laws enacted through an Act of Parliament to control drug abuse and addiction in Kenya (2marks)
8. Using relevant examples, mention any three classes of psychoactive drugs (3 marks)
9. Name the brain regions responsible for controlling the following functions (5marks)
  - a) Memory
  - b) Coordination
  - c) Movement
  - d) Judgement
  - e) Memory
10. State three effects of chewing khat on women (2 marks)

**SECTION B: ANSWER ANY TWO (2) QUESTIONS (40 MARKS). LONG ANSWER QUESTIONS**

11. (a) Baby Juliana was born at Coast General hospital in Mombasa County with a condition that baffled doctors and other clinical staff at the hospital. There were speculations and whispers in the corridors about the possible genesis of Baby Juliana's state. As an addiction professional working at the health facility, a woman known to baby Juliana's family confides in you that Juliana's mother, now in her early thirties, is a known alcoholic and often abused alcohol during her pregnancy. How would you proceed to rule out Fetal Alcohol Syndrome in baby Juliana's condition (10 marks)  
(b) Tobacco is a crucial determinant of health and socio-economic development. Explain (10marks)
12. a) Alcohol and drug abuse (ADA) and HIV/AIDS are highly correlated. Discuss (10 marks)  
b) Drug addiction treatment is often considered multi-dimensional and sometimes long-term, with a constellation of principles underpinning effective treatment outcomes. Discuss. (10 marks)
13. a) Concisely explain any five factors affecting blood alcohol consumption (BAC) in man (10 marks)  
b) Addiction to alcohol and other psychoactive drugs is now classified as a chronic-relapsing neurobiologic brain disease. Explain the disease nature of drug addiction that places it at par with other chronic diseases such as diabetes type 2. (10 marks)