



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
BACHELOR OF SCIENCE IN COMMUNITY HEALTH
END OF SEPTEMBER-DECEMBER TRIMESTER 2022 EXAMINATIONS

CPH 225: DRUG AND SUBSTANCE ABUSE

DATE: 30th November 2022

TIME: Start: 4.00 PM Finish 6 PM

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. Do Not write anything on the question paper -use the back of your booklet for rough work if need be

SECTION A: COMPULSORY (30 Marks)

1. Highlight the medical basis for detoxication in drug addiction treatment (2marks)
2. Using relevant examples, differentiate between demand reduction and supply suppression in the fight against drug abuse (4marks)
3. Differentiate between relapse and recidivism (2marks)
4. Citing relevant examples, define the term '**ENABLER**' in the context of drug use and abuse (2marks)
5. Identify two social-economic effects of marijuana abuse (2marks)
6. Highlight the significance of the brain reward system in reinforcing addictive behavior and motivation (2marks)
7. Outline four signs and symptoms of methamphetamine use (2 marks)
8. Outline why ethyl alcohol (ethanol) is indicated in treating methyl alcohol (methanol) poisoning (2marks)
9. Mention any two laws enacted through an Act of Parliament to control drug abuse and addiction in Kenya (2marks)
10. Using relevant examples, mention any four classes of psychoactive drugs (2 marks)
11. Define the following terms (3marks)
 - I. Tolerance
 - II. Binge drinking
 - III. Dependence
12. Outline any two effects of smoking on pregnancy (2 marks)
13. Mention the active ingredient in marijuana (1 mark)
14. Using relevant examples, differentiate between risk and protective factors for heroin addiction (2 marks)

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

1. a) Mr.Mwenesi has battled substance-related addiction for ten years with significant ramifications on his job performance and family. He was diagnosed with **polydrug use**: constantly abusing alcohol, marijuana, and khat with a visible loss of control, motivation, and functionality. Discuss the medical and social problems Mr.Mwenesi is exposed to by virtue of this diagnosis. (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 hypertension, arthritis, and type-2 diabetes (10 marks)

2. a) Baby Alma was born at Malakisi Health Centre in Busia 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 Almas's state. As an addiction professional working at the health facility, a woman known to Baby Alma's family confides in you that Alma'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 Alma's condition (10 marks)

- b) Tobacco is a crucial determinant of health and socio-economic development. Explain (10marks)

3. 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)