



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR:
MASTER OF PUBLIC HEALTH
MPH/17S/YEAR 1/ SEMESTER 1
APH 5113: DRUG/ SUBSTANCE ABUSE AND ADDICTION
SPECIAL/ SUPPLEMENTARY EXAMINATIONS
SERIES: SEPTEMBER 2018
TIME: 3 HOURS

Instructions to Candidates

This paper consists of SIX questions

Answer question ONE (COMPULSORY) and any other THREE questions.

This paper consists of two printed pages.

Mobile phones are NOT allowed in the examination room

QUESTION ONE QUESTION ONE

Briefly describe

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|---|-----------|
| a) How amphetamines work on the reward pathway. | [5 marks] |
| b) The ventral tegmental area in relation to drug use. | [5 marks] |
| c) Five desirable effects of ecstasy. | [5 marks] |
| d) Why ephedrine is considered as an addictive drugs. | [5 marks] |
| e) Five effects of anabolic steroids on female reproductive health. | [5 marks] |
| f) Five factors that influence high rates of tuberculosis among drug users. | [5 marks] |

QUESTION TWO

Beer production and consumption have historically been integral to the fabric of the socio-economic lives of the people in the sub-Saharan Africa. Beer was produced by women mainly for the senior aged male groups to drink either at home, in groups or at special occasions. This trend has however changed in the recent times. In the regard,

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| a) Discuss ten factors that contribute to irresponsible drinking in Kenya. | [20 marks] |
| b) Citing relevant examples discuss five ways to mitigate these predictors. | [10 marks] |

QUESTION THREE

Each market has a mad person but Luanda has too many. Luanda market on the Busia-Kisumu highway is a throbbing, fast growing urban centre, but it also has an inordinately high number of persons who appear to suffer from mental illness. Luanda area is known for bhang growing and smoking. In this context discuss

- a) The mode of action of bhang on the brain. [16 marks]
- b) The overlap between drug use and mental illness. [14 marks]

QUESTION FOUR

Supervised injection facilities (SIF) are legally sanctioned facilities where people who use intravenous drugs can inject pre-obtained drugs under medical supervision. This is one of the best available strategies for reducing the spread of HIV among people who inject drugs (PWID). In this regard, using relevant examples discuss

- a) **Eight** benefits of SIFs. [16 marks]
- b) **Seven** factors that hinder implementation of such programmes in Mombasa County. [14 marks]

QUESTION FIVE

- a) Discuss how the Tobacco Control Act, 2007 (amended 2015) regulates tobacco use. [20 marks]
- b) Discuss the five schedules of drugs as classified by Controlled Substances Act. [10 marks]

QUESTION SIX

Incarceration and drugs use exacerbates each other. This occurs before, during and after imprisonment. Former inmates are at high risk for death from drug overdose, especially in the immediate post-release period. In this context, discuss

- a) The overlap between drug use and incarceration. [18 marks]
- b) How former inmates can be protected from engaging in drugs. [12 marks]