



MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF PURE, APPLIED AND HEALTH SCIENCES

DEPARTMENT OF MEDICAL LABORATORY SCIENCES

UNIVERSITY ORDINARY EXAMINATION

2020/2021 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATION FOR ALL BACHELORS

UCU 101: HIV/AIDS & SUBSTANCE ABUSE

DURATION: 2 HOURS

Instructions to candidates:

1. Answer question One and Any Other Two questions.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION

QUESTION ONE (30 MARKS)

- a) Define the following
- i) HIV pandemic (1 mark)
 - ii) False positive (1 mark)
 - iii) Immunodeficiency (1 mark)
 - iv) Superinfection (1 mark)
 - v) Sensitivity (1 mark)
- b) Describe the role of balance diet in the management of HIV/AIDS. (5 marks)
- c) With examples state any four classes of antiretroviral drugs (ARVS). (5 marks)
- d) Compare and contrast the HIV-1 from HIV – 2. (5 marks)
- e) Describe relationship between STIs and HIV/AIDS spread. (5 marks)
- f) i) Describe three common safe sex strategies. (3 marks)
- ii) Describe any **two** legal rights of people living with HIV/AIDS in Kenya. (2 marks)

SECTION B – ANSWER ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

- a) Describe five theories on the origin of HIV/AIDS. (15 marks)
- b) Explain factors for increased vulnerability of women to HIV infection. (5 marks)

QUESTION THREE (20 MARKS)

- a) Describe the three stages of HIV infection progression and their symptoms. (8 marks)
- b) Describe the impacts of HIV/AIDS on various sectors. (12 marks)

QUESTION FOUR (20 MARKS)

- (a) Describe four models of HIV transmission (8 marks)
- b) Describe the HIV replicative cycle. (12 marks)