



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

**CERTIFICATE IN COMPUTER MAINTENANCE & NETWORK TECHNOLOGY –
CMNT2K 11M**

CERTIFICATE IN INFORMATION TECHNOLOGY CIT 2K 11M

ACM 1100: HIV/AIDS

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: OCTOBER 2011

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer booklet*

Answer question **ONE (COMPULSORY)** in section A and any other **TWO** questions from section B

Maximum marks for each part of a question are clearly shown.

This paper consists of **THREE** printed pages

SECTION A (30 marks)

Question 1 (Compulsory)

a) What do the following terms stand for:

- (i) HIV (2 marks)
- (ii) AIDS (2 marks)

b) Define the following terms as related to the STD/HIV infection

- (i) Sex (2 marks)
- (ii) Sexuality (2 marks)
- (iii) Physiology (2 marks)

c) What is the linkage of each term above to HIV/AIDS infection (6 marks)

d) Explain the causes of HIV infection (8 marks)

e) State the **SIX** symptoms of AIDS (6 marks)

SECTION B (40 marks)

Question 2 (20 marks)

a) Explain **SIX** ways through which HIV/AIDS infection is transmitted (12 marks)

b) Explain **TWO** ways through which one can't contract HIV infection stating **TWO** examples of each (8 marks)

Question 3 (20 marks)

The following are various Myths about HIV/AIDS. State the fact/reality about each.

a) Myths about HIV/AIDS and treatment. The myth "**HIV doesn't cause AIDS**" (4 marks)

b) Myths about HIV/AIDS and treatment. The myth; "**It's not AIDS that kills people; it's the medicines they take!**" (4 marks)

c) Myths about HIV tests The myth: "**The 'AIDS test' can't be trusted**" (4 marks)

d) Myths about HIV Transmission The myth: "**HIV can be spread through tears, sweat, mosquitoes, pools, or casual contact.**" (4 marks)

e) Myths about HIV Transmission The Myth: "**Lesbians don't get HIV**" (4 marks)

Question 4 (20 marks)

Give a brief explanation about the following

- (i) HIV/AIDS treatment (5 marks)
- (ii) HIV/AIDS patients control/management (5 marks)
- (iii) ABCD Method anti-retroviral drugs and vaccines (5 marks)
- (iv) Pregnancy and AIDS (5 marks)

Question 5 (20 marks)

HIV infection is commonly diagnosed by blood tests.

- a) List down the **THREE** main types of tests that are commonly used. (6 marks)
- b) Enlist the **TWO** step process in testing for HIV (4 marks)
- c) Outline **FIVE** different types of antibody screening tests available (10 marks)