



# THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

*Faculty of Engineering & Technology*

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN INFORMATION TECHNOLOGY & COMPUTER SCIENCE (CIT/11/12)

**ACM 1100: HIV & SUBSTANCE ABUSE**

SPECIAL/SUPPLEMENTARY EXAMINATION

**SERIES: MAY/JUNE 2012**

**TIME: 2 HOURS**

## **Instructions to Candidates:**

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer any **THREE** questions. Question **ONE** is Compulsory

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

**Question One (Compulsory - 30 Marks)**

- a) Mention the cells of the immune system mostly found in blood and tissue and state their functions (5 marks)
- b) Describe the people regarded to be at High Risk of HIV transmission (5 marks)
- c) Briefly explain the serious impact of HIV/AIDs in universities and higher learning institutions (5 marks)
- d) State the reasons that lead to PLWHAS be stigmatized and discriminated against (5 marks)
- e) Discuss some of the suggestions put forward to reduce stigma (3 marks)
- f) Describe the HIC DARM approach to behavior changes to the control of HIV infection (7 marks)

**Question Two (15 marks)**

- a) Illustrate the structure of the HIV virus (10 marks)
- b) Clinically, patients infected with HIV respond differently. Describe the categories of this classification of the responses (5 marks)

**Question Three (15 marks)**

- a) Culture, social, biological and economical pressure makes women more vulnerable to HIV infection than men. Discuss these factors (5 marks)
- b) Briefly explain the common problems encountered in the control and prevention of HIV/AIDs (5 marks)

**Question Four (15 marks)**

- a) Describe the impact of drug abuse (7 marks)
- b) Explain the relationship between drug abuse and HIV/AIDs (8 marks)

**Question Five (15 marks)**

- a) Mention the instructions to be followed before using a condom (5 marks)
- b) Explain briefly how to use a female condom (10 marks)