



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

DIPLOMA IN INFORMATION TECHNOLOGY

(DICT 2K 11M, DIT 11M)

ACM 2100: 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 **TWO** printed pages

Section A: Answer All the Questions in this section [30 Marks]

Question 1

- a) What is Human Immunodeficiency Virus (HIV) infection? (5 marks)
- b) List 5 causes of HIV infection (5 marks)
- c) What is Acquired Immunodeficiency Syndrome (AIDS) (5 marks)
- d) Outline 5 symptoms of AIDS (5 marks)
- e) Explain the various ways through which HIV/AIDS infection/ spreading can be prevented. (10 marks)

Section B: Answer Any Two Questions from this section [20 Marks each]

Question 2

Give a brief explanation about the following

- a) HIV/AIDS treatment (5 marks)
- b) HIV/AIDS patients control/ management (5 marks)
- c) ABC Method anti- retroviral drugs and vaccines (5 marks)
- d) Pregnancy and AIDS (5 marks)

Question 3

- a) Differentiate between the AIDS and STIs (5 marks)
- b) Give a brief account of what is referred to as opportunistic infections (5 marks)
- c) How is OIs prevented and treated? (5 marks)
- d) Give a list of common 10 STIs. (5 marks)

Question 4

- a) State the value of Nutrition in the prevention and treatment of HIV/AIDS (5 marks)
- b) Give a brief account of the 5 recommended nutritional foods for an AIDs patient (15 marks)
- c) Give your own advice on how the infection of HIV/AIDS can be destigmatized in our country Kenya (5 marks)

Question 5

- a) Give an account of the HIV prevalence rate in Kenya basing your answers from the 2005 data (10 marks)
- b) Explain the current trend of HIV infection globally as presented in the 2007 report. (10 marks)