



# THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

*Faculty of Engineering and Technology*

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

**DIPLOMA IN BUILDING & CIVIL ENGINEERING (DBC 11)**

**DIPLOMA IN ARCHITECTURE (DA 11)**

**DIPLOMA IN CIVIL ENGINEERING (DC 11)**

ACM 2110: HIV & AIDS

**END OF SEMESTER EXAMINATION**

SERIES: AUGUST/SEPTEMBER 2011

**TIME: 2 HOURS**

**Instructions to Candidates:**

You should have the following for this examination

- *Answer booklet*

This paper consists of **FIVE** questions

Answer question **ONE** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

## SECTION A (COMPULSORY)

### Question 1

- a) Illustrate the natural progression of HIV to AIDS (10 marks)
- b) Briefly explain the following sexually transmitted diseases
- (i) Chlamydia
  - (ii) Gonorrhoea
  - (iii) Syphilis
  - (iv) Venereal warts (12 marks)
- c) State **FOUR** limitations of ART (8 marks)

## SECTION B (Answer any *TWO* questions from this section)

### Question 2

- a) Outline **SEVEN** ways that are necessary in enhancing adherence (7 marks)
- b) Define the following terms
- (i) Viral load
  - (ii) Positive living
  - (iii) Discordant couples
  - (iv) Post exposure prophylaxis
  - (v) Syndrome (10 marks)
- c) Outline **THREE** positive effects of Religion on Aids (3 marks)

### Question 3

- a) Outline **SIX** barriers to adherence (6 marks)
- b) State **FIVE** methods of HIV management (5 marks)
- c) (i) Mention **THREE** modes of HIV transmission
- (ii) State **SIX** benefits of ART (9 marks)

### Question 4

- a) Explain the effects of HIV/AIDS on the following
- (i) Population
  - (ii) Agriculture
  - (iii) Development and economy
  - (iv) Education
  - (v) Orphaned children (20 marks)

### Question 5

- a) Outline **SIX** ways how drugs increase the risk of contracting Aids (6 marks)
- b) (i) Mention **FOUR** major side effects of ARV'S
- (ii) State **FOUR** signs and symptoms suggestive to HIV infection (8 marks)
- c) (i) Explain **TWO** reasons that may lead PLWHA to stop treatment
- (ii) State **TWO** drug interactions with ARV's (6 marks)