

TECHNICAL UNIVERSITY OF MOMBASA
FACULTY OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DIPLOMA COMMUNITY
HEALTH

DCH 16S/YEAR 1/ SEMESTER1

ACM 2102: INTRODUCTION TO HIV/AIDS

SEMESTER EXAMINATION

SERIES: DECEMBER 2016

TIME: 2 HOURS

Instructions to Candidates

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions.

This paper consists of two printed pages.

Question 1

- a) Define the following terms:
- i. Seroconversion (1 mark)
 - ii. Discordant couples (1 mark)
 - iii. Opportunistic infections (1 mark)
- b) Draw a well labelled diagram of the HIV particle (5 marks)
- c) Briefly explain the principle of antiretroviral treatments as required in HIV management (5 marks)
- d) Outline the place of laboratory test in the management of HIV infection (5 marks)
- e) Describe the routes of transmission of HIV infection (3 marks)
- f) Briefly explain how HIV/AIDS is a pandemic (3 marks)
- g) Distinguish between pre-exposure prophylaxis and post exposure prophylaxis (4marks)

h) Outline the phases of HIV life cycle (2 marks)

Question 2

Atieno is a 20 year old diagnosed HIV positive two years ago, she attends comprehensive care clinic irregularly and has missed for 6 months. she reappears when 10 weeks pregnant

- a) From the case what are the factors that contribute to mother to child transmission (8marks)
- b) Explain the legal and ethical aspects that protect Atieno (7 marks)

Question 3

Discuss the place of adherence counseling in antiretroviral therapy (15 marks)

Question 4

Describe the Human rights principles relevant to HIV/AIDS (15 marks)

Question 5

Discuss the importance of nutritional care in an HIV infected individual (15 marks)