



MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF PURE AND APPLIED SCIENCE

DEPARTMENT OF APPLIED SCIENCE

UNIVERSITY ORDINARY EXAMINATION

2017/2018 ACADEMIC YEAR

**FIRST YEAR FIRST SEMESTER EXAMINATION FOR DIPLOMA IN
BUSINESS MANAGEMENT**

UCU 051: HIV/AIDS

DURATION: 2 HOURS

DATE: 17TH APRIL 2018

TIME: 2.00 – 4.00 P.M

Instructions to Candidates:

1. Answer all questions in **Section A** and **Any Other Two** questions in **Section B**.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

SECTION A:

30 MARKS: ATTEMPT ALL QUESTIONS IN THIS SECTION

QUESTION ONE

- a) Explain the meaning of the following terms:
 - i. AIDS (2 marks)
 - ii. HIV (2 marks)
 - iii. HAART (2 marks)
- b) Distinguish between the two types of HIV. (2 marks)
- c) Explain three laboratory methods of testing HIV. (6 marks)
- d) Explain two differences between HIV and SIV_{CPZ}. (2 marks)
- e) Explain the biological nature of HIV. (5 marks)
- f) Explain the effects of ARV's. (4 marks)
- g) Outline five legal rights of HIV/AIDS patients. (5 marks)

SECTION B

40 MARKS : CHOOSE ANY 3 QUESTIONS ONLY IN THIS SECTION

QUESTION TWO (20 MARKS)

Describe the theories of how HIV/AIDS could have originated. (20 marks)

QUESTION THREE (20 MARKS)

- a) Describe the lifecycle of HIV replication. (8 marks)
- b) Explain the four modes of HIV transmission. (8 marks)
- c) Describe the implications of HIV/AIDS to National economic growth. (4 marks)

QUESTION FOUR (20 MARKS)

- a) Explain the three common safer sex strategies. (6 marks)
- b) Describe the following approaches of managing HIV/AIDS:
 - i. Living positively (10 marks)
 - ii. Anti-Retroviral Therapy (ART) (4 marks)