



GRETSA UNIVERSITY - THIKA

UNIVERSITY EXAMINATIONS SEPTEMBER - DECEMBER 2021 SEMESTER

DIPLOMA IN PUBLIC HEALTH, COMMUNITY HEALTH, NUTRITION AND DIETETICS

COURSE CODE: DIEH 031

COURSE TITLE: HIV/AIDS AND STI MANAGEMENT

DATE: 17 NOVEMBER 2021

TIME: 8:00 AM - 11:00 AM

INSTRUCTIONS TO CANDIDATES

1. SECTION A IS **COMPULSORY**.
2. SECTION B: ANSWER ANY OTHER **THREE** QUESTIONS.
3. **DO NOT** WRITE ANYTHING ON THIS QUESTION PAPER AS IT WILL BE AN EXAM IRREGULARITY.
4. ALL ROUGH WORK SHOULD BE AT THE BACK OF YOUR ANSWER BOOKLET AND CROSSED OUT.

CAUTION: All exam rooms are under CCTV surveillance during the examination period.

SECTION A: COMPULSORY

MULTIPLE CHOICE QUESTIONS [1-5]

[ONE MARK EACH]

1. Which year was ARVs available in World
 - A. 1996
 - B. 1997
 - C. 2003
 - D. 2005
2. Which of the following is not among general acute HIV syndrome?
 - A. Pharyngitis
 - B. Anorexia
 - C. Nausea
 - D. Downs syndrome
3. What does HIV-positive mean?
 - A. Either antibodies against HIV or the virus particles themselves are present in the blood
 - B. You have been tested for HIV
 - C. Your white cell count is high
 - D. You have been informed about HIV
4. Which of the following is not among HIV markers when using ELISA method of HIV testing?
 - A. Glycoproteins 120
 - B. Glycoproteins 41
 - C. proteins 24
 - D. RNAm
5. Which of the following is not a reason for monitoring ART?
 - A. Assess efficacy of intervention
 - B. Detect other treatable conditions
 - C. Assessment for drug related toxicities
 - D. Get the patient history

SECTION A: COMPULSORY

SHORT ANSWER QUESTIONS [ANSWER ALL QUESTIONS IN THIS SECTION]

1. Explain the following terms as used in HIV/AIDS management [10 Marks]
 - i. Syndromes
 - ii. Misconceptions
 - iii. Antiretroviral therapy
 - iv. Opportunistic diseases
 - v. ARV adherence
2. Outline five structures of HIV Virus [5 Marks]
3. HIV testing and counselling is key in the fight against the HIV/AIDS pandemic, discuss the benefits of HIV testing and counselling [6 Marks]
4. Highlight five most at risk populations for HIV infections [5 Marks]
5. Describe the pathophysiology of HIV virus to the target human cells [4 Marks]
6. Highlight five principles of ARV treatments. [5 Marks]

SECTION B

[CHOOSE ANY THREE QUESTIONS]

QUESTION ONE

- a) Describe five ways in which HIV is transmitted [10 Marks]
- b) Discuss the natural history of HIV/AIDS [10 Marks]

QUESTION TWO

- a) Discuss five opportunistic infections or diseases associated with HIV/AIDS [10 Marks]
- b) Describe the impacts of HIV/AIDS on vision 2031 in Kenya [10 Marks]

QUESTION THREE

- a) Discuss five aims of HIV/AIDS treatment [10 Marks]
- b) Describe the five stages in the HIV life cycle . [10 Marks]

QUESTION FOUR

- a) Explain the classification of ARVs giving examples for each category [10 Marks]
- b) Discuss methods for carrying out HIV/AIDS diagnosis and testing [10 Marks]

