**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**

**SCHOOL OF HEALTH SCIENCES**

**SEPTEMBER/OCTOBER 2015 EXAMINATION**

**COURSE TITLE: CLINICAL, DIAGNOSTIC AND THERAPEUTIC SERVICES IN HIV/AIDS (HEM726)**

**CREDIT UNIT: 2**

**TIME: 1½ HOURS**

**TOTAL SCORE: 70 MARKS**

***INSTRUCTION*: ANSWER ALL QUESTIONS.**

**QUESTION 1 30 marks**

1. Describe the HIV replication process (10 marks)
2. Clearly explain the twosimilarities and fourdifferences between the two major antigens of HIV with examples (10 marks)
3. List tenfactors that contribute to HIV spread in Nigeria? (10 marks)

**QUESTION 2**

1. Clearly explainhow you willisolate and culture HIV cell? **(**6marks)
2. Differentiate the types of HIV culture tests you know and their disadvantages (10marks)
3. As a health care professional, clearly show how you know that a test kit is working well. (4 marks)

**QUESTION 3**

1. Differentiate between the two types of acquired immunity? (8 marks)
2. Explain what you understand by opportunistic infections.(2 marks)
3. List ten HIV and AIDS opportunistic infections you know. (5 marks; ½ mark for each correct answer)
4. Explain what you understand by window period using HIV as an example.(5marks)