



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14/16, Ahmadu Bello Way, Victoria Island, Lagos**

**SCHOOL OF SCIENCE AND TECHNOLOGY**  
**OCTOBER, 2013 EXAMINATION**

**Programme: PGD HIV/AIDS Education and Management**

**Course Code: HEM 707**

**Course Credit Unit: 2**

**Course Title - Biostatistics**

**Time Allowed: 2 hours**

**Total Score: 70 marks**

**Instruction:** Answer question 1 and any other 3 questions

**Question 1: Compulsory (25 marks)**

Ekpos is about to embark on his final year research project. Explain to him, the steps required to carry out a successful research

**Question 2**

What are the features of experimental and exploratory studies  
(15 marks)

**Question 3**

3a: Explain Simple Random Sampling

(8 marks)

3b: Identify the advantage and limitations of sampling techniques  
(7 marks)

**Question 4**

What do you understand by literature review?  
(5 marks)

(5 marks)

What are the purposes of literature review?

(10 marks)

**Question 5**

What are the features of the following scales of measurement?

5a: Nominal scale (5 marks)

5b: Ratio scale (5 marks)

5c: Interval scale (5 marks)

**Question 6**

6a: What is research hypothesis?

(10 marks)

6b: Identify the importance of research hypothesis

(5 marks)