

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

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

**SCHOOL OF SCIENCE AND TECHNOLOGY**

**JUNE/JULY EXAMINATION**

**COURSE CODE: HEM707**

**COURSE TITLE: BIOSTATISTICS**

**TIME ALLOWED:2 hours**

**INSTRUCTION: Answer any 4 questions**

**Question 1:**

**1a**. What do you understand by research hypothesis (10 marks)

**1b**. Explain the importance of research hypothesis (15 marks)

**Question 2**

Briefly explain the basic stages of an empirical research (25 marks)

**Question 3:**

**3a**. What do you understand by research design (10 marks)

**3b**. Explain the purposes of research design(15 marks)

**Question 4:**

**4a**. What is a literature review?(10 marks)

**4b.**What are the purposes of literature review? (15 marks)

**Question 5**

There are 4 major scales on which variables are measured. Discuss (25 marks)

**Question 6**

Describe the following:

**6a**. Experimental studies (12 ½ marks)

**6b**. Exploratory study (12 ½ marks)