BOWEN UNIVERSITY, IWO
COLLEGE OF MANAGEMENT AND SOCIAL SCIENCES
ECONOMICS PROGRAMME
B.Sc. DEGREE EXAMINATION, 2022/2023 ACADEMIC SESSION
FIRST SEMESTER EXAMINATION

Course Code: ECN 399   **Course Title:** Economics Research Methodology

Date: February, 2023   **Time allowed:** 2 hours

Instruction: Answer question **1** and any other **2** questions of your choice

1ai. Briefly explain what is meant by a population in an economic research? **6 marks**
  ii. Why do you think sampling is important when conducting a research? **6 marks**
  b. What are the steps involved in conducting a scientific research? **10 marks**
  ci. What is non- probability sampling? **5 marks**
  ii. Give three examples of non- probability sampling **3 marks**   **(30 marks)**

2a. State and explain three measures of central tendency **12 marks**
  b. What factors determine sample size? **8 marks**   **(20 marks)**

3ai. What are measures of dispersion used for? **4 marks**
  ii. Name three measures of dispersion. **6 marks**
  b. A group of 9 students had a test in Mathematics. They have the following scores: Ade = 70,   Femi = 65, Justina = 60, Dare = 55, David = 75, Juliet= 80, Uche = 85, Wale = 90, Emeka = 9.
  Find the mean and median. **10 marks (20 marks)**

4ai. Identify which sampling technique was used in the following study: A journalist asks 21 friends about their opinion on the last World Series basketball game. **5 marks**
  ii. What are the limitations of this technique? **6 marks**
  b. A musical group has 45 members of whom 10 are boys. A quota of size 9 is to be interviewed. How many girls and how many boys should be included in the sample? **9 marks (20 marks)**

5a. What are the major advantages and the disadvantages of probability sampling?
  8 marks

  b. A company employs the following numbers of staff in three categories

Staff	Category
Administrative	10
Technical	20
Management	20

How many in each category should be included in a quota sample of size:
i.   25
ii.   5
iii.   10   **12 marks (20 marks)**