



**DEPARTMENT OF NURSING SCIENCE,  
FACULTY OF HEALTH SCIENCES,  
NATIONAL OPEN UNIVERSITY OF NIGERIA  
2019\_2 Examination**

**COURSE CODE: NSC 409**

**COURSE TITLE: HEALTH STATISTICS**

**TOTAL SCORE: 70%**

**INSTRUCTION: Answer all questions TIME ALLOWED: 3HOURS**

- 1 a. List and discuss methods of data presentation (10marks)
- b. Discuss Scales of measurement (10marks)
2. Write notes on
  - a. laws of probability (5marks)
  - b. Steps/guidelines in the planning process (10marks)
  - c. Variables (5marks)
  - d. Statistics (5marks)
  - e. Biostatistics (5marks)
3. In the West Africa Examination Council, twenty (20) candidates scored the following;  

70, 38, 55, 45, 60, 72, 65, 55, 45, 40,  
68, 66, 58, 70, 60, 55, 54, 55, 70, 42.

  - a. List the candidates in order of the marks to obtained from the highest to the lowest (2marks)
  - b. If 50 is regarded as the passed mark, how many students failed? (3marks)
  - c. What is the range of the above scores? (3marks)
  - d. Calculate the mean of the above scores (5marks)
  - e. What is the median of the above scores? (5marks)
  - f. Find the mode of the above numbers (2marks)

**NOTE: Please show your calculations step by step**