NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, Nnamdi Azikwe Express Way, Jabi, Abuja, FCT

Faculty of Health Sciences

Department of Nursing Sciences

April 2019 Examination

Programme: Bachelor of Nursing Science
Course Code: NSC409
Course Credit Unit: 3
Course Title: Health Statistics
Total Marks: 70 Marks
Time Allowed: 2 ½ Hours
Instruction: Answer all the Questions

Question 1
Discuss the following:
(a) Variables   **(10 marks)**
(b) Scales of measurement   **(10 marks)**

Question 2
In the final professional qualifying examination by NMCN, 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
                                                                                            (2 marks)
b. If 50 is regarded as the passed mark, how many students failed?   **(3 marks)**
c. What is the range of the above scores?   **(3 marks)**
d. Calculate the mean of the above scores   **(5 marks)**
e. What is the median of the above scores?   **(5 marks)**
f. Find the mode of the above numbers   **(2 marks)**
   NOTE: Please show your calculations step by step

Question 3

(a) Differentiate between statistics and Biostatistics **(4 marks)**
 (b) List and discuss methods of data presentation **(10 marks)**
 (c) Discuss three (3) laws of probability **(6 marks)**
 (d) Explain sample **(10 marks)**