



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.

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

NOTE: Please show your calculations step by step

Question 3

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|--|-------------------|
| (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) |