



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi, Abuja
Faculty of Agricultural Sciences
October/November, 2016

Programme: Agricultural Extension and Management
Course Code: AEM 772
Course Title: Research Methods and Statistics
Credit Unit: 3
Total Score: 100 Marks
Time Allowed: 2 Hours
Instruction: Answer any five (5) Question

1i. What is research (12marks)?

ii. List the types of data collected in social research (5marks)

b. List the limitations in cross-cultural research (3marks)

2ai. What is a variable (3marks)?

ii. List the different types of variables (5marks)

bi. Define hypothesis (5marks)

ii. List the functions of hypothesis (5marks)

iii. List the different types of hypothesis (2marks)

3a. List 15 essential steps in the research process (15marks)

b. What are the factors that can determine the choice of a problem by a researcher (4marks)?

c. Give an example of problem statement in agricultural extension (1mark)

4. Explain with diagrams the different distribution shapes (20marks)

5i. Outline three points to note during sampling

ii. What is statistics

iii. Briefly explain the term descriptive statistics

6. Vividly explain the following

a. Coefficient of correlation

b. Inferential Statistics

c. Qualitative analysis

