



**NATIONAL OPEN UNIVERSITY OF NIGERIA
DEPARTMENT OF ECONOMICS
FACULTY OF SOCIAL SCIENCES
2021_2 EXAMINATION.**

COURSE TITLE: RESEARCH METHODOLOGY

COURSE CODE: ECO 715

UNITS: 3 UNITS

TIME ALLOWED: 3 HOURS

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

- 1a). From our data on food expenditure and total expenditure for a sample of 55 rural households in Nigeria, we obtained the following regression result:

$$\hat{Y}_i = 94.2087 + 0.4368 X_i \quad r^2 = 0.3698$$

Where Y_i = food expenditure; X_i = total expenditure

- i). Interpret this regression result. **(8 marks).**
 - ii). How would you interpret r^2 ? **(3 marks).**
 - iii). Predict the food expenditure if total expenditure is ₦250 **(3 marks).**
- 1b). What is measurement error in research? **(3.5 marks)**
- 2a). Illustrate under what situation a researcher can adopt *Ex post facto* research **(4 marks)**
- 2b). What are the different types of data used in Economics research? **(13.5 marks)**
- 3). With good example, discuss the different measurement scales in Economics research **(17.5 marks)**
- 4). As a post-graduate student, you are required to submit a project as a requirement for the award of a PGD degree in Economics. Describe the steps you will take in the process of formulating the research problem. **(17.5 marks)**
- 5a). With examples demonstrate how to reference a printed textbook in APA format. **(9 marks)**
- 5b). What is the differences between journal reference and a book reference? **(8.5 marks)**