

NATIONAL OPEN UNIVERSITY OF NIGERIA FACULTY OF AGRICULTURAL SCIENCES DEPARTMENT OF CROP AND SOIL SCIENCE

EXAMINATION: 2021_1 POP EXAMINATION _____ COURSE CODE: AGR501 COURSE TITLE: STATISTICS AND RESEARCH METHODOLOGY (3CU) TIME: 2HRS Instruction: Answer 4 questions in all; No. 1 is compulsory and carries 25 marks and any other three questions carrying 15 marks each.

QUESTION

QUIDII 0		
1.	a. Define Research Problems and highlight its minor componentsb. What is a Non-researchable problems?	(10 marks)
	b. what is a Non-researchable problems?	
		(5 marks)
	c. Mention the procedures for Researchable problem selection	
(10 marks)		
2.	a. Define hypothesis	(5 marks)
	b. The major reasons why hypothesis is important in our research are	(5 marks)
	c. Differentiate between Null and Alternate hypothesis	(5 marks)
	e. Differentiate between fun and Anteniate hypothesis	(5 marks)
2	a What are the most frequently used parametric tests for agricultural research	
5.	a what are the most frequently used parametric tests for agricultural	
		(5 marks)
	b. Outline factors affecting the levels of significance	(10 marks)
4.	a. What are the factors that determine the research design decisions	(7 marks)
	b. Explain the four (4) types of Research Design you know	(8 marks)
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5	Explain any five (5) major concepts used in Research Designs	(15 marks)
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