



**NATIONAL OPEN UNIVERSITY OF NIGERIA  
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKWE EXPRESS WAY, JABI, ABUJA  
FACULTY OF HEALTH SCIENCES  
DEPARTMENT OF NURSING SCIENCES  
2025\_1 EXAMINATION**

**PROGRAMME: BACHELOR OF NURSING SCIENCE**

**COURSE CODE: NSC411**

**COURSE TITLE: RESEARCH METHODOLOGY IN NURSING**

**COURSE CREDIT UNITS: 3 UNITS**

**TIME ALLOWED: 2 ½ HOURS**

**TOTAL SCORE: 70 MARKS**

**INSTRUCTION: ANSWER ALL THE QUESTIONS**

**Question 1**

- a. Define research hypothesis (2 marks)
- b. Enumerate seven (7) importance or relevance of hypotheses to research (7 marks)
- c. Outline 8 characteristics of hypotheses as identified by Treence and Treence (1986) (4 marks)
- d. Discuss three (3) types of hypotheses (9 marks)
- e. Describe research questions (5 marks)
- f. Explain the term “Delimitation of a study “ in research (3 marks)

**Question 2**

Explain the following as applicable to ethics in research:

- a. The Principle of Autonomy (6 marks)
- b. The Principle of Beneficence (6 marks)
- c. The Principle of Justice (4 marks)
- d. Protection of Dignity and Welfare of Subjects (4 marks)

**Question 3**

- a. Discuss the four basic characteristics of scientific research (10 marks)
- b. Define pilot study (1 mark)
- c. Why do we conduct pilot study? (5 marks)
- d. Define validity and reliability (4 marks)