



FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY  
DEPARTMENT OF INFORMATION AND MEDIA TECHNOLOGY

FIRST SEMESTER 2016/2017 EXAMINATION

**COURSE CODE:** CIT 415  
**COURSE TITLE:** INTRODUCTION TO SCIENTIFIC RESEARCH  
WRITING AND METHODOLOGY  
**CREDIT UNITS:** 2  
**TIME ALLOWED:** 2HRS  
**COURSE LECTURER(S):** Dr. I. O. Oyefolahan and Mrs S.O. Etuk  
**NUMBER OF QUESTIONS:** 3  
**NUMBER OF PAGES:** 2 (INCLUDING THIS PAGE)

**INSTRUCTIONS**

- Answer all questions
- Do **not** use red pen
- Please use a clear handwriting
- This exam is closed book, closed notes, closed laptop and closed cell phone



1. (a) "Research is much concerned with proper fact finding, analysis and evaluation." Do you agree with this statement? Give reasons to support your answer. 5mks  
(b) What do you understand by research problem? Why is it a necessity for a Researcher to carefully select his research problem? 5mks  
(c) Briefly explain each of the following characteristics of research:  
i. Controlled ii Rigorous iii Systematic iv Valid and Verified  
v. Empirical 10mks
2. (a) What does it mean when we say research is 'Unbiased and Objective'? 5mks  
(b) Would you rather liken a research scholar to a Judge whose aim is to derive the truth or to a pleader who is only eager to prove his case in favour of his Plaintiff? Give reasons for your answer. 5mks  
(c) Research can be an academic activity and such, one of the motivations for research is the desire to get a research degree. Mention any other two (2) factors motivating people to undertake research. 5mks  
(d) An extremely important feature of research is the use of appropriate methods. Explain the main function of conceptualizing a research design during the research process. 5mks
3. (a) Differentiate between pure research and applied research 5mks  
(b) What do you understand by 'Plagiarism'? Mention two things you can do to avoid being accused of plagiarism. 6mk  
(c) Explain the 6 steps of writing an Abstract as a generic element of a technical document. 9mks