



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

FIRST SEMESTER 2015/2016 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) What do you mean by research? Explain five characteristics of Research. 7mks
- (b) "All progress is born of inquiry. Doubt is often better than overconfidence, for it leads to inquiry, and inquiry leads to invention" is a famous Hudson Maxim in context of which the significance of research can well be understood: Explain any three (3) significance of Research in modern times. 3mks
- (c) List and explain any four (4) types of Research 10mks
2. (a) Do you think Research methods and Research techniques means exactly the same thing? Give reasons for your answer with an example for clarity. 3mks
- (b) How does Research methods differ from Research methodology 3mks
- (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. 4mks
- (d) Systematically explain the Research process 10mks
3. (a) What do you understand by Scientific method of research 5mks
- (b) Give two(2) reasons why Experimentation is important to scientific method of research 4mk
- (c) Mention five (5) basic postulates on which scientific method of research is based. 5mks
- (d) Explain by C.A.R.S Model 6mks