

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY
DEPARTMENT OF INFORMATION AND MEDIA TECHNOLOGY
FIRST SEMESTER 2013/2014 SESSION EXAMINATION
MCT 411: DATA ANALYSIS IN MEDIA TECHNOLOGY RESEARCH

INSTRUCTION: ANSWER QUESTIONS ONE AND ANY OTHER THREE QUESTIONS

TIME ALLOWED: TWO HOURS

- 1(a) State a research topic in the field of media technology.
 - (b) From the topic stated in 1(a) above, articulate a research problem.
 - (c) From the topic and problem stated in 1(a) and (b) above respectively, state two objectives.
 - (d) Advance a step-by-step procedure you will follow to obtain data that would be analysed to determine the objectives stated in 1(c) above.
- 2(a) With relevant examples, distinguish between Type I and Type II errors.
 - (b) With relevant examples, distinguish between directional and non-directional tests.
3. Explain in details how you would go about to test a null hypothesis so as to retain or reject it.
4. Examine any three elements involved in discussion of findings.
5. State and explain the steps involved in quantitative data analysis.
- 6(a) Using hypothetical examples, distinguish between bivariate and multivariate statistical tables.
 - (b) Explain any four (4) principles that guide the construction of statistical tables.