



KIBABII UNIVERSITY COLLEGE

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UNIVERSITY EXAMINATIONS

2013/2014 ACADEMIC YEAR

1ST YEAR 2ND SEMESTER EXAMINATIONS

FOR THE POSTGRADUATE DIPLOMA IN

INFORMATION AND COMMUNICATION TECHNOLOGY

COURSE CODE: ICT 726

COURSE TITLE: Research Methods

DATE: 20TH AUGUST, 2014

TIME: 2:00P.M.-4:00P.M.

INSTRUCTIONS

Answer question one and any other two questions only

All questions carry 20 marks each

1. Research is life of all human kind.
 - (a) What is the purpose of research (5 marks)
 - (b) State any five source of knowledge in research (5 marks)
 - (c) Explain the following terms as used in research (7 marks)
 - (i) Population:
 - (ii) Sample
 - (iii) Sampling
 - (iv) Variable
 - (v) Parameter
 - (vi) Descriptive statistics
 - (vii) Inferential statistics
 - (d) Outline the major steps in research (7 marks)
 - (e) State any six source of research problems (6 marks)
2. (a) The length and complexity of research designs can vary considerably. What are the key activities that any sound design would do? (5 marks)
 - (b) Brief describe the Observational Design (5 marks)
 - (c) State any five key features that Observational Design studies does tell one (5 marks)
 - (d) What are the limitations of Observational Design studies? (5 marks)
3. (a) suggest any five scenarios where quantitative research may be best situated as compared to qualitative research (5 marks)
 - (b) Distinguish quantitative and qualitative research (9 marks)
 - (c) What are characteristics of a good hypothesis (6 marks)
4. (a) What is he purpose of literature review in research (8 marks)
 - (b) Explain any five types of triangulation (10 marks)
 - (c) Give any two questions can be posed addressed reliability in research (2 marks)
5. (a) Validity and reliability reflect the quality of the research design and its administration. Human error enters at all steps of the measurement process. State and explain the Types of Errors That Affect Validity and Reliability (12 marks)
 - (b) Discuss the Test-Retest as a procedure used to assess reliability (8 marks)