



UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF THE DIPLOMA IN INFORMATION TECHNOLOGY

SECOND SEMESTER 2023/2024

[JAN - APRIL, 2024]

DIT 0209: RESEARCH METHODS

STREAM: Y2 S2

TIME: 2 HOURS

DAY: MONDAY, 9:00 - 11:00 A.M.

DATE: 15/04/2024

INSTRUCTIONS

- 1. Do not write anything on this question paper.***
- 2. Answer question ONE (Compulsory) and any other TWO questions.***

QUESTION ONE

All too often we are reminded that terrorism continues to inflict pain and suffering on people all over the world. Hardly, a week goes without an act of terrorism taking place somewhere in the world, indiscriminately affecting innocent people all over the world. Countering this courage is in the interest of all nations for decades. In view of this, you have been contracted by donor agency to come up with research proposal based on the above Kenyan case.

- State your topic base on the above case (2 marks)
- Briefly provide the background of study (5 marks)
- Formulate the objectives of the above case (5 marks)
- Prepare a short questionnaire that could be used to collect data for the study. The questionnaire should provide both open and closed ended questions.
- Provide the scope and limitation of the above study (5 marks)

QUESTION TWO

- a) Kothari (2004) observes that scientific research is viewed as a systematic process validate this statement by use of an illustration/ flow chart to guide you and briefly discuss the research process. (10 marks)
- b) Explain the term research hypothesis (5 marks)

QUESTION THREE

- a) Discuss ethical issues that should be addressed when undertaking a research process. (10 marks)
- b) State any five properties of literature review? (5 marks)

QUESTION FOUR

- a) State factors considered when developing a sample design in research study. (5 marks)
- b) Identify the criteria used for selecting a sampling procedure (5 marks)

QUESTION FIVE

- a) Differentiate using examples probability and non-probability sampling methods? (5 marks)
- b) Provide contrast between validity and reliability in research. (5 marks)