



**KISII UNIVERSITY**  
**UNIVERSITY EXAMINATIONS**

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

**FIRST SEMESTER, 2023/2024**

**(AUGUST-DECEMBER, 2023)**

**DIT 0209: RESEARCH METHODS**

**STREAM: Y2 S1**

**TIME: 2 HOURS**

**DAY: TUESDAY, 9.00 -11:00 PM**

**DATE: 28/11/2023**

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**INSTRUCTIONS**

- 1. Do not write anything on this question paper.***
- 2. Answer Question ONE [Compulsory] and any other TWO Questions.***

**Question One**

- Define the following terms. (4 mks)
  - Hypothesis
  - Research ethics
- Explain the characteristics of research. (4 mks)
- Differentiate between the general objective and the specific objectives. (4 mks)
- Distinguish between Research Methods versus Methodology (4mks)
- What are the objectives of the research (8 mks)
- Discuss three major approaches to ethics. (6 mks)

**Question Two**

- Describe some possible motives towards research. (10 mks)
- Explain some of the significance of the research. (10 mks)

**Question Three**

- Discuss five requirements of good research. (10 mks)
- Discuss six qualities of a good researcher. (10 mks)

#### **Question Four**

- a. Discuss six phases of research. (12 mks)
- b. Explain four reasons why pilot study is important. (8 mks)

#### **Question Five**

Pick a research problem of your choosing and use it to answer the following:

- i. State the topic. (1 mk)
- ii. Formulate a suitable statement of the problem following the guidelines. (4 mks)
- iii. Formulate four objectives: one general and the rest specific objectives. (4 mks)
- iv. How will the above objectives help you in your research? (4 mks)
- v. Formulate a suitable hypothesis. (3 mks)
- vi. What is the Importance of literature review in your research. (4 mks)