



# UNIVERSITY EXAMINATIONS

**2<sup>ND</sup> SEMESTER 2024/2025 ACADEMIC YEAR**

**MASTERS EXAMINATION FOR BACHELOR OF  
EDUCATION**

**EPSC 811: RESEARCH & STATISTICAL METHODS IN  
EDUCATION**

***STREAM: R***

***TIME: 2 HRS***

***DAY: TUESDAY (12.30-15.30PM)***

***DATE: 15/4/25***

**THIS QUESTION PAPER CONSISTS OF TWO (2) PAGES**

**PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.**



**INSTRUCTIONS:** Answer question ONE and any other TWO questions

**QUESTION ONE (30 MARKS)**

- a. Differentiate the independent variable from the dependent variable **4Marks**
- b. i. Show the steps followed to find the median **2Marks**
- ii. Identify the mode in the dataset: [3, 7, 3, 9, 12, 7, 3]. **2Marks**
- iii. Calculate the mean score.  
[85, 78, 92, 88, 84, 90, 79, 81, 87, 93, 78, 84]. **4Marks**
- d. i. Discuss the ethical considerations that guide research activities **4Marks**
- ii. Examine the role of scientific research in education **4Marks**

**QUESTION TWO (20 MARKS)**

- a. Masters Students are supposed to come up with a research proposal before they are permitted to go to the field for data collection. Show the step-by-step process on how they are able to develop a quality research proposal. **10 Marks**
- b. “Qualitative and quantitative researchers have come to an agreement that the two paradigms can be used in complementarity”. Assess this view **10Marks**

**QUESTION THREE (20 MARKS)**

- a. Examine the steps used for conduct case study research. **10Marks**
- b. Examine the different sampling techniques aligning them to their respective paradigm. **10 Marks**

**QUESTION FOUR (20 MARKS)**

- a. Using examples, explain the different types of research reports that researcher prepare when they are presenting their findings. **10 Marks**
- b. Discuss the contribution of Reviewing in research **10Marks**

