



**JARAMOGIOGINGAODINGAUNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF EDUCATION**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF MASTER IN CURRICULUM**  
**STUDIES**  
**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2018 ACADEMIC YEAR**  
**MAIN CAMPUS**

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**COURSE CODE: ECT 801**

**COURSE TITLE: RESEARCH METHODS I**

**EXAM VENUE:**

**STREAM: (MED- CURR)**

**DATE:**

**EXAM SESSION: APRIL 2018**

**TIME: 3 HOURS**

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**Instructions:**

- 1. Answer ANY 3 questions**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

### **QUESTION ONE**

Discuss the characteristic of Qualitative and Quantitative research paradigms highlighting their similarities and differences. (20 marks)

### **QUESTION TWO**

Discuss education research under the following sub-headings:

- i. Definition- (2 marks)
- ii. Purpose and objectives. (6 marks)
- iii. Educational research cycle, (12 marks)

### **QUESTION THREE**

- a. Explain the meaning and identify the main elements of a statement of the problem (12 marks)
- b. Discuss procedures for identifying the problem title in education research (8 marks)

### **QUESTION FOUR**

Explain the following concepts as used in educational research. (20 marks)

- i. Statement of problem
- ii. Operation definition of terms
- iii. Independent variable
- iv. Theoretical framework
- v. Research design

### **QUESTION FIVE**

There are a number of methods for collecting data that are available to an education researcher. Discuss the comparative strengths and weaknesses, of any five methods commonly used in collecting educational data. (20 marks).