



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS MASTER OF EDUCATION DEGREE IN**

**EDUCATIONAL ADMINISTRATION**

**KISUMU CAMPUS( SCHOOL BASED)**

**I<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER**

**COURSE CODE: EMA 821**

**COURSE TITLE: RESEARCH METHODS I**

**DATE:**

**SESSION:**

**TIME: 3 HRS**

**INSTRUCTIONS**

- 1.This paper contains five (5) questions.**
- 2.Attempt question one (Compulsory) and ANY other TWO questions.**
- 3.Write all the answers in the booklet provided.**

### **QUESTION ONE**

- a) Examine ANY six Mixed methods of research designs (12mks)
- b) The committee on Scientific and Professional Ethics of the American Psychological Association(1990) published a list of ethical principles for the conduct of research with human subjects. Describe five such ethical Principles (10mks)
- b) Examine four methods a qualitative researcher may use to establish:
- i) Reliability of a research instrument (4mks)
  - ii) Validity of a research instrument (4mks)

### **QUESTION TWO**

- a)b) Explain any four non- Probability sampling techniques in research (8mks)
- b) Outline seven distinguishing features between qualitative and quantitative research paradigm (7mks)

### **QUESTION THREE**

- a) Examine the various forms of administering a questionnaire and conducting interview that a researcher may utilize in exploring a problem (10mks)
- b) Discuss five pre-field work logistics that a researcher has to adhere to ( 5mks)

### **QUESTION FOUR**

- a) Explain how you can analyze data collected by way of interview and observation (10mks)
- b) Explain six Circumstances under which it is appropriate to do quantitative research(5mks)

### **QUESTION FIVE**

- a) Comment on strengths and weaknesses of the following:
- i) Case study
  - ii) Survey research design
  - iii) Ethnography
  - iv) Ex-post facto research design (8mks)

- b) Evaluate the contention that positivism and constructivism theories are critical issues in research (7mks)