



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF EDUCATION

DEPARTMENT OF PSYCHOLOGY & SPECIAL NEEDS EDUCATION

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

MASTER OF EDUCATION

ECC 801: RESEARCH METHODS IN EDUCATION

DATE: 2/5//2019

TIME: 8:00 – 11:00

INSTRUCTIONS:

Answer Question One and Any Other Two Questions

QUESTION ONE (20 MARKS)

- a) What is Research Design? (2 marks)
- b) What are the various steps involved in the preparation of Research Design? (8 marks)
- c) What is Quasi-Experimental Research? (2 marks)
- d) Distinguish between Quasi-Experimental Research and Correlational Research. (5 marks)
- e) Differentiate between Qualitative and Quantitative Research. (3 marks)

QUESTION TWO

Explain the concept, purpose and applications of any of the Three of the following types of researches.

- i) Survey Research (5 marks)
- ii) Historical Research (5 marks)
- iii) Ethnographic Research (5 marks)

- iv) Correlational Research (5 marks)
- v) Formulation of a Null Hypothesis. (5 marks)

QUESTION THREE

- a) What are the advantages and disadvantages of Experimental Research? (10 marks)
- b) What is Ex-post Facto Research? (10 marks)

QUESTION FOUR

Critically evaluate the merits and demerits of the following data collection instruments.

- i) Questionnaires (5 marks)
- ii) Interview Schedules (5 marks)
- iii) Observation Guides (5 marks)
- iv) Standardized Tools / Instruments (5 marks)

QUESTION FIVE

- a) What is Post Positivism Paradigm Shift in Research? (5 marks)
- b) What are the underlying assumptions of this belief? (5 marks)
- c) Critically highlight the major criticisms of this School of Thought (5 marks)