



MACHAKOS UNIVERSITY

University Examinations 2019/2020 Academic Year

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL MANAGEMENT AND CURRICULUM STUDIES

DECEMBER SESSION EXAMINATION FOR

DIPLOMA IN EDUCATION

EMP 724: RESEARCH METHODS IN EDUCATION

DATE: SCHOOL BASED

TIME:

INSTRUCTIONS

ANSWER QUESTIONS ONE AND ANY OTHER THREE

QUESTION ONE (15 MARKS)

- a) Using appropriate illustrations, explain the meaning of a research design (2 marks)
- b) Explain the characteristics of data that can be collected through direct observation (6 marks)
- c) The research proposal is the starting point of any research work. Explain any SEVEN reasons why you would want to write a proposal for a research work you intend to carry out (7 marks)

QUESTION TWO (15 MARKS)

- a) Using a hypothetical situation discuss any two research designs you can use for your study (7 marks)
- b) Explain how you would ensure clarity in writing the research report (8 marks)

QUESTION THREE (15 MARKS)

- a) Choose a hypothetical topic of your interest in the field of education (1 mark)
- b) State FOUR objectives for your study (4 marks)
- a) Formulate FOUR null hypotheses for the study (4 marks)
- b) Explain possible methods you would use to collect data in the study (6 marks)

QUESTION FOUR (15 MARKS)

- a) Describe FOUR steps as a researcher you would take to obtain a sample when conducting Cluster sampling (8 marks)
- b) By the use of relevant examples, explain SEVEN methods that a researcher can use to identify a research problem (7 marks)

QUESTION FIVE (15 MARKS)

- a) As a researcher, explain FIVE measures you would adopt to increase the internal validity of your study (5 marks)

The research report is composed of five chapters

- b) Provide a concise statement of the purpose of each of the FIVE chapters of the Educational research report (10 marks)