



MACHAKOS UNIVERSITY

University Examinations 2016/2017

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATION MANAGEMENT AND CURRICULUM STUDIES

FIRST YEAR SECOND SEMESTER EXAMINATION FOR DOCTOR OF
PHILOSOPHY IN EDUCATION

EMP 902: RESEARCH METHODS

DATE: 4/8/2017

TIME: 2.00-5.00 PM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

1.
 - a) Distinguish between qualitative and quantitative research (4 marks)
 - b) Explain **three** factors that influence the selection of a research design. (6 marks)
 - c) Differentiate the terms **independent**, **dependent** and **intervening** variables as used in research. (6 marks)
 - d) Give **two** reasons why a researcher must secure consent from an interviewee before carrying out an interview (4 marks)
2.
 - a) With suitable examples, discuss the following techniques of selecting a sample of a study:
 - i. Simple random sampling
 - ii. Systematic random sampling (12 marks)
 - b) Explain **four** challenges a researcher may encounter when selecting a sample for a study (8 marks)
3. "Literature review is one of the crucial aspects of research". Justify the validity of this sentiment with special focus on:

- a) The procedure of carrying out literature review (10 marks)
- b) The challenges faced when carrying out literature review (10 marks)
- 4. a) Explain the purpose of collecting data in research (6 marks)
- b) Distinguish between **primary** and **secondary** sources of data in educational research (4 marks)
- c) Discuss the advantages and disadvantages of using secondary data in educational research (10 marks)
- 5. a) Using appropriate examples, explain the factors that a researcher should consider when selecting a research instrument (6 marks)
- b) Describe the procedure that is followed in developing a questionnaire (6 marks)
- c) Discuss **two** merits and **two** demerits of using a questionnaire (8 marks)