



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATION MANAGEMENT AND CURRICULUM STUDIES

SECOND YEAR FIRST SEMESTER EXAMINATION FOR

MASTER OF EDUCATION

EMP 814: DATA COLLECTION ANALYSIS AND APPRAISAL IN EDUCATIONAL
PLANNING

DATE: 25/4/2019

TIME: 8.30-11.30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (30 MARKS)

- a) Explain the meaning of following terms as used in educational administration:
- i. Range
 - ii. Variance
 - iii. Standard Deviation
 - iv. Mode (4 marks)
- b) Using relevant examples, explain **four** ethical considerations that you should when collecting data using an interview (8 marks)
- c) Using suitable examples, explain **four** challenges that masters' students may face when collecting data (8 marks)

QUESTION TWO (20 MARKS)

- a) Using relevant examples, explain three properties of Mean (6 marks)
- b) The following table presents marks of 34 students in a English test

Class interval	Frequency
45-50	2
40-44	4
35-39	4
30-34	8
25-29	8
20-24	5
15-19	2
10-14	1

Using the information from the Table, calculate

- i. The modal class (2 marks)
- ii. Mean (12 marks)

QUESTION THREE (20 MARKS)

- a) Using suitable examples, explain **four** steps followed when developing a questionnaire (6 marks)
- b) Explain the advantages of using a questionnaire as a data collection instruments(6 marks)
- c) Using relevant examples, explain how a researcher may minimize the challenges encountered when using a questionnaire to collect data (8 marks)

QUESTION FOUR (20 MARKS)

- a) Discuss any two methods of analyzing quantitative research by clearly outlining the procedure, merits and demerits. (10 marks)
- b) Using suitable examples, explain **five** challenges a student may encounter when developing a theoretical framework (10 marks)

QUESTION FIVE (20 MARKS)

- a) Using a hypothetical situation, describe the steps you would follow when using the Split-half method of determining the reliability of research instruments (10 marks)
- b) Using relevant examples, explain **five** conditions that would necessitate the use of Chi-square as a method of data analysis (10 marks)