



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations 2015/2016

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL MANAGEMENT AND CURRICULUM STUDIES

THIRD SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF
EDUCATION

EMP 814: DATA COLLECTION, ANALYSIS AND APPRAISAL IN EDUCATIONAL
PLANNING

Date: SCHOOLBASED

Time:

INSTRUCTIONS

*This paper consists of **FIVE** questions*

*Answer question **ONE** and other **TWO** questions in this paper*

QUESTION ONE

- a) Distinguish the following terms;
 - i. Median and mode (3 marks)
 - ii. Measures of central Tendency and measures of dispersion (3 marks)
- b) Discuss the importance of studying the course on Data collection and analysis to a student pursuing a post graduate programme. (6 marks)
- c) Explain four challenges a student may encounter when collecting data in educational research. (8 marks)

QUESTION TWO

- a) Explain the factors that should be considered during data collection in research (12 marks)
- b) Explain the importance of Data analysis (8 marks)

QUESTION THREE

- a) 'Ethical considerations are paramount in any research' discuss the validity of this statement. (10 marks)
- b) Explain the ethical considerations that should be upheld when conducting research (10 marks)

QUESTION FOUR

- a) By the use of examples of descriptive and inferential statistical tools, clearly outline the procedure of data analysis. (10 marks)
- b) Explain the merits and demerits of a questionnaire (10 marks)

QUESTION FIVE

- a) Explain the properties of Mean (6 marks)
- b) The following table presents scores of 34 students in a mathematics test

Class interval	Frequency
33-35	2
30-32	4
27-29	4
24-26	8
21-23	8
18-20	5
15-17	2
12-14	1

Using the information from the table, calculate

- (i) The Modal class (2 marks)
- (ii) The Median (6 marks)
- (iii) Mean (6 marks)