



SECTION B – Answer any two questions

QUESTION TWO (20 MARKS)

- Define the following concepts; a)
 - i. Random sampling
 - ii. Cluster sampling
 - iii. Stratified sampling
 - iv. Convenience sampling
 - Purposive sampling. v.
- b) Describe **TWO** approaches in which researchers can determine the sample size? (5 marks)

TIME: 8.30-11.30 AM

INSTRUCTIONS

DATE: 22/1/2022

Answer question ONE in section A and TWO questions from section B.

SECTION A – COMPULSORY

QUESTION ONE (30 MARKS) (COMPULSORY)

- Explain the difference between reliability and validity. a)
- b) In a study evaluating the effectiveness of a new biology curriculum results are measured by an exam given at the end of the year. How would you make sure the results are valid and reliable? (6 marks)

c) Identify and discuss **FIVE** mistakes sometimes made by the researcher during sampling.

(10 marks)

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

DEPARTMENT OF EDUCATIONAL MANAGEMENTAND CURRICULUM STUDIES

University Examinations for 2021/2022 Academic Year SCHOOL OF EDUCATION

MASTER OF EDUCATION

ECC 800: RESEARCH METHODS IN EDUCATION



(15 marks)

(4 marks)

QUESTION THREE (20 MARKS)

- a) Citing relevant examples, make a distinction between independent and dependent variables? (10 marks)
- b) In a study on single sex schools and academic achievement, what would the independent variable and what would the dependent variable? Use illustrations to explain. (10 marks)

QUESTION FOUR (20 MARKS)

a) How can qualitative researchers minimize bias and enhance validity? (10 marks)
b) What are the advantages and disadvantages of different methods of administering surveys by mail, telephone, and personal interview? (6 marks)
c) How should survey researchers deal with non-response? (4 marks)

QUESTION FIVE (20 MARKS)

a) Discuss FIVE benefits of pretesting research tools? (10 marks)
b) When reading the results section of a quantitative research report, what are some of the FIVE questions you should ask yourself to ascertain the output? (10 marks)