MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

SCHOOL OF BUSINESS, ECONOMICS AND HOSPITALITY AND TOURISM
MANAGEMENT

DEPARTMENT OF ECONOMICS

BACHELOR ECONOMICS AND STATISTICS

BACHELOR OF ECONOMICS AND FINANCE

BACHELOR OF ECONOMICS

ECO 300: RESEARCH METHODS

DATE: TIME:

INSTRUCTIONS:

Answer question one (Compulsory) and any other two questions

QUESTION ONE (COMPULSORY) (30 MARKS)

a) Many sub-Saharan African countries have instituted Free Primary Education (FPE) policies. As a result, the primary school enrolment rate in developing countries has reached 91 percent. However, school attendance is different from learning. The main questions that still beg for answers are whether the many children that are in school are learning, and whether the FPE learning effects are long-lasting.

   i)   Develop a research topic on this sub area.   (2 marks)

   ii)   Formulate at least three research questions and corresponding specific equations.

                                                                                          (6 marks)

   iii) Formulate null and alternative hypothesis.   (2 marks)

   iv)   In this example, define a research problem by using the A but B statements.(1 paragraph).

                                                                                          (3 marks)

b) Explain any three situations in which nonprobability sampling can be applied.   (6 marks)

c) Outline major phases involved in a case a case study.   (5 marks)

d) Explain the major characteristics of a good research.   (6 marks)

QUESTION TWO (20 MARKS)

Write short notes on the following

    i.   Questionnaire and schedule methods

   ii.   Research methods and research methodology

  iii.   Systematic and stratified sampling techniques

  iv.   Theoretical studies and empirical studies

   v.   Descriptive and qualitative research

QUESTION THREE (20 MARKS)

a) Outline the steps followed in formulation of a research problem.   (7 marks)

b) Briefly discuss any 5 methods of collecting primary data.   (10 marks)

c) Distinguish between type I and type II error.   (3 marks)

QUESTION FOUR (20 MARKS)

a) Discuss any 3 probability sampling techniques you know.   (6 marks)

b) Explain three methods of carrying out research.   (6 marks)

c) Incorrect inferences resulting from data may arise from systematic bias. Explain any five causes of systematic bias.   (5 marks)

d) Think of a hypothetical topic, develop a paragraph of empirical literature using APA style.

     (5 marks)

QUESTION FIVE (20 MARKS)

a) Explain factors to consider when carrying selecting data collection method.   (8 marks)

b) Explain why it is important to review literature when carrying out research.   (8 marks)

c) Explain factors to consider when selecting a research problem.   (4 marks)