

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE
IN BACHELOR OF ECONOMICS**

ECON 452: RESEARCH METHODOLOGY

STREAMS: ECON

TIME: 2 HOURS

DAY/DATE: THURSDAY 25/03/2021

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- *Answer question one and any other two questions*
- *Do not write anything on the question paper*

Question one

(a) Define the following terms as used in research:

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| (i) Research methodology | (1 marks) |
| (ii) Hypothesis | (1 mark) |
| (iii) Sampling frame | (1 mark) |
| (iv) Empirical literature | (1 mark) |
| (v) Research consent | (1 mark) |
| (vi) Reliability and validity | (2 marks) |
- (b) What do you understand by the term “research process”? With the aid of a diagram, describe exhaustibly what the research process involves. (10 marks)
- (c) Explain the meaning and need of research design. (8 marks)
- (d) Discuss 3 non-probability sampling techniques used in research. (6 marks)

Question two

- (a) Briefly discuss the 5 purposes of conduction research. (6 marks)
- (b) You wish to undertake a research on how Chuka has changed over the years until present. Outline how you would undertake this research; identify the possible data sources, classify them as either primary, secondary or tertiary; how you would collect the data, and if secondary, give the source of organization. (10 marks)
- (c) State and briefly discuss 4 factors to consider while designing a questionnaire. (4 marks)

Question three

- (a) Based on purpose, method, data sources, and data analysis, discuss the differences between qualitative and quantitative research? (8 marks)
- (b) What are the main issues that should receive the attention of the research in formulating a research problem? (6 marks)
- (c) Discuss 2 probability sampling methods clearing highlighting their pros and cons. (6 marks)

Question four

- (a) Given the following research question: *“Do form four students who participate in a supplemental daily calendar math program learn more math content as demonstrated on the mean score than those who do not receive this supplementary math program?”*
 - (i) What is the independent variable? (1 mark)
 - (ii) What is the dependent variable? (1 mark)
 - (b) Discuss the advantages of conducting a thorough literature review. (6 marks)
 - (c) Distinguish between primary, secondary and tertiary data sources as used in research work. (6 marks)
 - (d) Research ethics involves the application of fundamental ethical principles to a variety of topics involving scientific research. Discuss any 6 ethical principles that ethical that various codes address. (6 marks)
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