



ZIMBABWE EZEKIEL GUTI UNIVERSITY

COLLEGE OF LIFELONG LEARNING

EXAMINATION PAPER

MODULE CODE : DUWC125
MODULE TITLE : RESEARCH METHODS
DURATION : 3 Hours
LEVEL : 1.2
DATE : 11 FEB 2025

INSTRUCTIONS TO CANDIDATES:

1. No cell phones are allowed in the examination venue.
2. Use of silent, non-programmable calculators is allowed
3. Answer any **FOUR** questions.
4. Begin each question on a new page.
5. The number of marks for each question or part question is shown in brackets []
6. Show all workings, where applicable.

Question 1

Dr. Russy was investigating the effect of a compensatory education program in mathematics for first-grade students. This study gave a standardized math achievement test to all first-grade students and then placed these students in the compensatory education program and administered the program for the next 6 weeks.

During this 6-week period, Prof. Innocent ran a special program on mathematics concepts, which many of the students watched. Dr. Russy encouraged the -students to watch this program and even used examples from it when he was teaching to emphasize the concepts he used in his compensatory math program. At the end of the 6-week period, he again administered the standardized math achievement test to these students and found that they had significantly increased their math score. and concluded that the compensatory program was effective in remediating poor math performance.

Required:

- a) Suggest a topic and justify your choice. [6 marks]
- b) Construct a research problem. [7 marks]
- c) State at least two objectives. [4 marks]
- d) State at least two research questions. [4 marks]
- e) Suggest recommendations based on these findings. [4 marks]

Question 2

Consider the following question with an open mind or freelance as a researcher. Give clear suggestive responses.

- a. Who in society should decide whether a research topic is morally/ethically defensible? [5 marks]
- b. Who should decide whether your proposed research study is morally/ethically defensible? [5 marks]
- c. When could there be a tension between “scientifically valid” and “ethically appropriate” research? [5 marks]
- d. Should research conducted in universities be required to have a practical benefit? [5 marks]

- e. At the current time, are there any groups in society that university research should focus on? Elaborate. [5 marks]

Question 3

Discuss the key characteristics of the different types of non-probabilistic sampling methods? [25 marks]

Question 4

Design a questionnaire to assess the motivation levels of customer care employees working in a Telecommunication Company. Explain your reasons for selecting the type of questionnaire (open-ended or close-ended), and list some of its strengths and weaknesses. [25 marks]

Question 5

Justify the need to extensively review empirical literature. [25 marks]

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