

KENYA METHODIST UNIVERSITY

END OF FIRST TRIMESTER 2008 EXAMINATIONS

FACULTY : SCIENCE AND SOCIAL STUDIES
DEPARTMENT : COMPUTER AND INFORMATION SCIENCE
COURSE CODE : CISY 302
COURSE TITLE : RESEARCH METHODOLOGY
TIME : 2 HOURS

Instructions:

- Answer any **THREE** questions.

Question 1

- a) Citing example from your field of study, explain the following types of research.
- (i) Applied research.
 - (ii) Descriptive survey.
 - (iii) Case studies. (9 mks)
- b) Explain the different steps involved in the research process, highlighting atleast two reasons for each step. (11 mks)

Question 2

- a) Choose a topic of interest in any field and perform the following:-
- (i) Clearly state the title. (2 mks)
 - (ii) Write a one paragraph statement of the problem. (4 mks)
 - (iii) List any **four** objectives. (4 mks)
 - (iv) State the limitations, delimitations and assumptions. (3 mks)
- b) Explain the advantages of a detailed literature review. (7 mks)

Question 3

- a) Write short notes on the following sampling methods.
- (i) Stratified sampling.
 - (ii) Systematic sampling.
 - (iii) Cluster sampling. (9 mks)
- b) Consideration of ethical issues is very important in research undertaking. Explain
- (i) Some of the ethical issues that must be considered. (8 mks)
 - (ii) Reasons why it is important to consider these ethical issues. (3 mks)

Question 4

- a) Explain the components in the structure of a research proposal. (10 mks)
- b) Explain the characteristics of experimental research, highlighting factors that threaten internal validity of an experiment. (10 mks)

Question 5

- a) Explain the needs for research in an institution of higher learning such as Kenya Methodist University, giving specific examples for each need. (10 mks)
- b) Describe **five** purposes of research, giving relevant examples in each case. (10 mks)