



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2012/2013

THIRD YEAR SECOND SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMPUTER SCIENCE (HOMA BAY CAMPUS)

CCS 313: RESEARCH METHODS AND TECHNICAL WRITING

Date: 2nd August, 2013

Time: 8.00 – 10.00 a.m.

INSTRUCTIONS:

1. Attempt Question ONE and any other TWO questions.
2. Question one carries 30 marks, questions 2-5 carry 20 marks each.
3. Diagrams, where required, should be clearly drawn and labeled.

PART A — 20 Marks

Question One (30 marks)

- a. Explain the importance and meaning of research. 2 marks
- b. Describe the sources of research problems. 2 marks
- c. What is communication? Discuss the need for communication. 2 marks
- d. What are the different types of communication? 2 marks
- e. What is questionnaire? Explain its validity as a tool for gathering data. 2 marks
- f. Explain the characteristics of hypothesis. 2 marks
- g. Explain research articles. 2 marks
- h. Write a short note on Interview method. 2 marks
- i. Explain the characteristics of a good research design. 2 marks
- j. Discuss review articles. 2 marks
- k. Explain the basic tools of editors. 2 marks
- l. What is data collection? Explain the primary and secondary data. 2 marks
- m. Write a short note on Report presentation. 2 marks
- n. What are the checklists to be followed for technical report? 2 marks
- o. What are publication ethics? 2 marks

PART B — Each 20 Marks

Question Two (20 marks)

- a) Briefly discuss the different types of research. 5 marks
- b) Explain the characteristics of hypothesis and its uses. 5 marks

- c) Discuss in detail about Reader-Writer approach in technical writing. 5 marks
- d) Explain the term readability. 5 marks

Question Three (20 marks)

- a) Define "research problems" Explain the criteria in selecting a research problem. 6 marks
- b) Bring out clearly the differences between descriptive and diagnostic designs. 6 marks
- c) Discuss the importance of Ethics in technical writing. 8 marks

Question Four (20 marks)

- a) Discuss the importance of survey methods and case study method in Library and Information science. 5 marks
- b) What are the various methods of data collection? Describe any one methods of data collection. 5 marks
- c) List out the editorial process. 5 marks
- d) What are the guidelines for good publication practice? 5 marks

Question Five (20 marks)

- a) Briefly explain the importance of Review of Literature in the field of your research work. 5 marks
- b) Briefly discuss the following 9 marks
 - i. Technical Reports
 - ii. Monographs

iii. House Journals.

c) Discuss in detail Packaging and Re-Packaging

6 marks