

**UGANDA MARTYRS UNIVERSITY
NKOZI**

UNIVERSITY EXAMINATIONS

FACULTY OF SCIENCE

**DEPARTMENT OF COMPUTER SCIENCE AND
INFORMATION SYSTEMS**

END OF SEMESTER ONE FINAL ASSESSMENT

Research Methodology II

COC 2101

SECOND YEAR EXAMINATION FOR BSC IT/GENERAL

DATE: 4TH DECEMBER 2014

TIME: 9: 30 AM- 12:30 PM

DURATION: 3HRS

Instructions:

- 1. Read the case presented below carefully and attempt all questions in section A and one question in section B.*
 - 2. No **names** should be written anywhere on the examination book.*
 - 3. Ensure that your **REG number** is indicated on all pages of the examination answer booklet.*
 - 4. Ensure your work is **clear** and **readable**. Untidy work shall be penalized*
 - 5. Any type of examination Malpractice will lead to automatic disqualification*
 - 6. Do not write anything on the question paper.*
 - 7. Do not open this booklet until told to do so.*
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research area. (4 marks)

(b) Explain why you would review each of the topical areas outlined above. (8 marks)

(c) Explain the research approach and techniques you would use. (8 marks)

(d) Mention the development approach, techniques and tools you would use to come up with your system. (5 marks)

SECTION B: Attempt only one Question in this section

4. Explain each of the following about data collection techniques:

(a) Two suitable sources of information for background reading. (4 marks)

(b) Appropriate situations for using Questionnaire to collect data. (4 marks)

(c) Two disadvantages of using Questionnaire to collect data. (4 marks)

(d) Appropriate situations for using Interviews to collect data. (4 marks)

(e) Two disadvantages of using Interviews to collect data. (4 marks)

5. For each of the following fact-finding techniques - Interviews; Questionnaires; Document Analysis; and Observation - carry out an evaluation with respect to each of the following characteristics below.

(a) Depth of information (5 marks)

(b) Breadth of information (5 marks)

(c) Integration of information (4 marks)

(d) User involvement (3 marks)

(e) Cost (3 marks)

END