JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

DEPARTMENT OF COMPUTER SCIENCE & SOFTWARE ENGINEERING

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN SECURITY AND FORENSICS

4TH YEAR 1ST SEMESTER 2020/2021 ACADEMIC YEAR

COURSE CODE: IIT 3432

COURSE TITLE: FORENSIC COMPUTING CAPSTONE RESEARCH

EXAM VENUE: **STREAM:**

DATE: 26/04/2018   **EXAM SESSION:**

TIME: 9:00 – 11:00

INSTRUCTIONS

1. **Answer Question 1 (Compulsory) and ANY other TWO questions**
2. **Candidates are advised not to write on the question paper**
3. **Candidates must hand in their answer booklets to the invigilator while in the examination room**

Question 1 [30 marks]

a) What are the main components of an Abstract? **(4 marks)**

b) Which are some of the sources that a student can use to aid in research work? **(7 marks)**

c) Describe the requirements on how to format your research document **(5 marks)**

d) Describe the difference between a concept paper and a proposal indicating what is required in each **(9 marks)**

e) Describe the requirements for writing good objectives for your research **(5 marks)**

Question 2 [20 marks]

a) Write a statement of the problem of your own choosing, come up with three objectives and the research questions from it **(10 marks)**
b) Discuss the methodologies a student can employ to collect data **(10 marks)**

Question 3 [20 marks]

a) Discuss the skills one would require to have produce a good and credible research **(10 marks)**
b) Discuss the system software development life cycle **(10 marks)**

Question 4 [20 marks]

a) Discuss some of the key points that should be included in the introductory chapter of your research **(10 marks)**
b) Discuss the critical characteristics of information **(10 marks)**

Question 5 [20 marks].

a) Elaborate why literature review is critical in a research **(10 marks)**
b) Discuss some of the models used in the Analysis and Requirements stage **(10 marks)**