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**GARISSA UNIVERSITY**

**UNIVERSITY EXAMINATION 2020/201 ACADEMIC YEAR ONE**

**SECOND SEMESTER EXAMINATION**

**SCHOOL OF SCHOOL OF PURE AND APPLIED SCIENCES**

**DIPLOMA IN INFORMATION TECHNOLOGY**

**COURSE CODE: DIT 001**

**COURSE TITLE: SOFTWARE ENGINEERING**

**EXAMINATION DURATION: 2 HOURS**

**DATE: 23/08/2021 TIME: 12.00-2.00 PM**

**INSTRUCTION TO CANDIDATES**

* **The examination has FIVE (5) questions**
* **Question ONE (1) is COMPULSORY**
* **Choose any other TWO (2) questions from the remaining FOUR (4) questions**
* **Use sketch diagrams to illustrate your answer whenever necessary**
* **Do not carry mobile phones or any other written materials in examination room**
* **Do not write on this paper**

**This paper consists of TWO (2) printed pages *please turn over***

**QUESTION ONE (COMPULSORY)**

1. Differentiate between hardware and software of a computer giving two examples of each (20 marks)
2. State and explain five types of output devices (10marks)

**QUESTION TWO**

Discuss the computer memories (20 marks)

**QUESTION THREE**

Write short notes on the computer classifications (20 marks)

**QUESTION FOUR**

1. State and explain the factors to consider when purchasing a computer (10 marks)
2. Discuss the factors that determine the processing power of computer (10 marks)

**QUESTION FIVE**

1. What is a communication device? (2 marks)
2. State and explain the communication devices on the computer (8 marks)
3. State the advantages of having a smartphone (10 marks)