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**GARISSA UNIVERSITY**

**UNIVERSITY EXAMINATION 2019/2020 ACADEMIC YEAR THREE**

**SECOND SEMESTER EXAMINATION**

**SCHOOL OF PURE AND APPLIED SCIENCES**

 **FOR THE DEGREE OF BACHELOR OF INFORMATION SCIENCE**

**COURSE CODE: COMP 325**

**COURSE TITLE: COMPUTER APPLICATION**

**EXAMINATION DURATION: 2 HOURS**

**DATE: 24/11/2020 TIME: 3.00-5.00 PM**

**INSTRUCTION TO CANDIDATES**

* **The examination has FOUR (4) questions**
* **Question ONE (1) is COMPULSORY**
* **Choose any other TWO (2) questions from the remaining THREE (3) 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. Explain the five main elements of a Computer-based information system. **[10 marks]**
2. Describe five reasons that may make a business organization consider using e-commerce in its operations. **[10 marks]**
3. State and explain the main characteristics of an effective management information system in an organization. **[10 marks]**

**QUESTION TWO**

1. Explain the importance of ICT in:
2. Banking **[4 marks]**
3. Security **[4 marks]**
4. Transport **[4 marks]**
5. Discuss and Explain FOUR threats that can affect information system in an organization. **[8 marks]**

**QUESTION THREE**

1. Explain FIVE factors that determine the success of an e-payment system **[10 marks]**
2. Differentiate between a threat and a crime as used in information system. **[2 marks]**
3. Explain FOUR factors to be considered when acquiring an information system for an organization. **[8 marks]**

**QUESTION FOUR**

1. Describe FOUR categories of controls that can be used in information systems. **[8 marks]**
2. Differentiate between System software and application software giving examples. **[2 marks]**
3. Explain five technical limitations of ecommerce as used in business transactions.  **[10 marks]**