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**GARISSA UNIVERSITY**

**UNIVERSITY EXAMINATION 2020/2021 ACADEMIC YEAR ONE**

**SECOND SEMESTER EXAMINATION**

**SCHOOL OF PURE AND APPLIED SCIENCES**

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

**COURSE CODE: INS 123**

**COURSE TITLE: INTRODUCTION TO PRINT PRODUCTION**

**EXAMINATION DURATION: 2 HOURS**

**DATE: 19/08/2021 TIME: 09.00-11.00 AM**

**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. Using relevant examples, describe the differences between printing and print production (10 marks**)**
2. If you were to pursue a career in the printing profession, please highlight using appropriate examples five areas and their related responsibilities that you are likely to specialize in (10 marks)
3. Explain at least five key paper characteristics and their effect on printing (10 marks)

**QUESTION TWO (20 MARKS)**

1. Explain any four properties of ink that control the easy and quality of image transfer (8 Marks
2. Explain the basic ingredients of ink (12 Marks).

**QUESTION THREE (20 MARKS)**

Discuss the importance of printing and print production in the society

**QUESTION FOUR (20 MARKS)**

Discuss the challenges affecting the printing industry in Kenya and suggest their possible solutions

**QUESTION FIVE (20 MARKS)**

Illustrate and discuss the wood-based paper making process that includes recycling of waste paper