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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: INS 302**

**COURSE TITLE: RESEARCH METHODS**

**EXAMINATION DURATION: 2 HOURS**

**DATE: 20/11/2020 TIME: 3.00-5.00 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. Define research Problem **[2 marks]**
2. Explain any six purposes of research **[6 marks]**
3. Discuss any four types of research **[8 marks]**
4. Explain the qualities of a good literature review **[10 marks]**
5. Differentiate research methods versus research methodology **[4 marks]**

**QUESTION TWO**

1. Using examples, discuss any four qualities of a good research **[8 marks]**
2. Explain any four classification scales widely used as measurement scales in research **[12 marks]**

**QUESTION THREE**

Describe the steps involved in scientific research process. **[20 marks]**

**QUESTION FOUR**

1. Discuss four ethical issues involved in research **[8 marks]**
2. Explain any four data collection instruments used in research **[12 marks]**

 **QUESTION FIVE**

1. Discuss any four types of probability sample design used in academic research **[12 marks]**
2. Explain the advantages and disadvantages of purposive sampling method as a technique used in research **[8 marks]**