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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 029**

**COURSE TITLE: COMPUTER AIDED DESIGN**

**EXAMINATION DURATION: 2 HOURS**

**DATE: 17/08/2021 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. Describe any Five drawing tools found in the drawing toolbar in Auto CAD 2012. (10 marks)
2. Explain any five precision features available in AutoCAD (10 marks)
3. Distinguish between Computer Aided Design (CAD) and Computer Aided Manufacturing (CAM) (6 marks)
4. Describe the concept of layering as used in AutoCAD (4 marks)

**QUESTION TWO**

1. Highlight the steps followed to setup units in Auto CAD 2012 (10 marks)
2. Computer Aided Design has become an integral part of the modern world; Discuss areas where CAD is used (10 marks)

**QUESTION THREE**

1. Discuss any five tools that are found on the modify tool bar in Auto CAD (10 marks)
2. Describe the user coordinate system (UCS) as used in Auto CAD (5 marks)
3. Describe the process of drawing a polygon in AutoCAD (5 marks)

**QUESTION FOUR**

1. Describe any seven dimensioning styles used in Auto CAD (14 marks)
2. There are four different methods in AutoCAD that are used to scale views, analyze any three of these methods (6 marks)

**QUESTION FIVE**

1. Explain any five precision features available in AutoCAD (10 marks)
2. Discuss the following terms as used in Auto CAD
3. Polar tracking
4. Object snaps
5. Ortho
6. Otract
7. Osnap (10 marks)