



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCES, TOURISM
AND HOSPITALITY
BACHELOR OF URBAN AND REGIONAL PLANNING**

COURSE CODE: URP 3107

COURSE TITLE: COMPUTER AIDED DESIGN

DATE: 8TH APRIL 2022

TIME:1430-1630HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in **Section A** and any other **THREE** questions in **Section B**

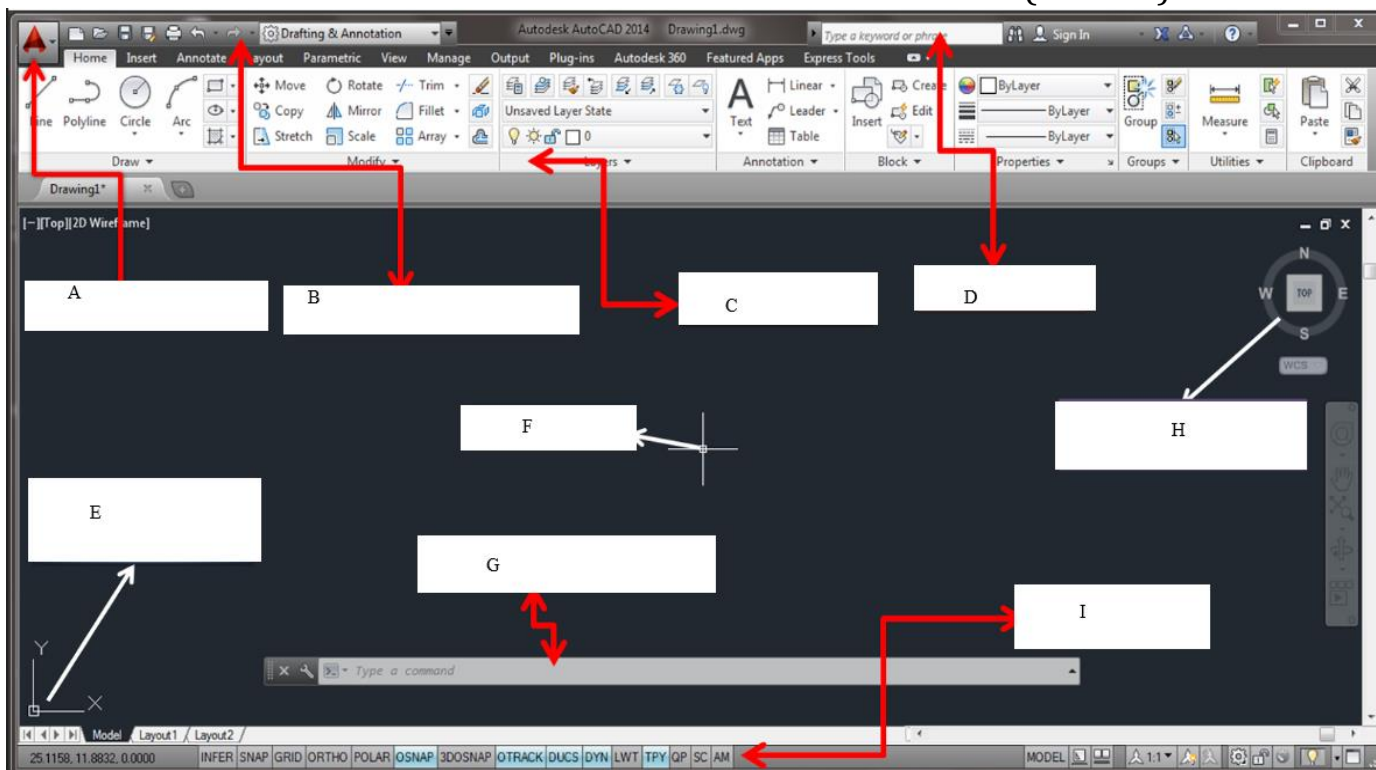
SECTION A (25 MARKS) Answer ALL questions in this Section

1. State the applications of CAD to Urban and Regional Planning? (5 Marks)
2. While working with CAD, it is important to apply different 'layers'. Define a 'layer' in the context of CAD? (2 Marks)
3. Using examples, identify 2 types of data used in ArcGIS (2 Marks)
4. Explain the advantages of Computer Aided Design (CAD) to an urban and Regional Planner? (8 Marks)
5. State how to open an AutoCAD file in ArchiCAD (2 Marks)
6. Explain the process of scaling an image in ArchiCAD (6 Marks)

SECTION B (45 MARKS)

Instructions: Choose any THREE questions in this Section

7. a. Study the figure below carefully, and write down the correct label (9marks)



- b. Explain how to scale a Google Maps image on AutoCAD? (6Marks)

8. Identify ANY TEN (10) Tools on the AutoCAD tool box, and explain their functions (15 Marks)

9. You have been assigned a task to create a site plan of a primary school, using CAD applications. Describe the process of creating a concept site plan using an application of your choice (15Marks)

10. CAD is an important tool for an urban and regional planner. Using examples,

a. Describe the importance of CAD applications in urban and regional planning.

(10marks)

b. Describe the limitations of using CAD applications and indicate how to mitigate them. (5Marks)

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