

Enrolment No./Seat No_____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE(MINOR)- SEMESTER-I&II EXAMINATION – SUMMER 2025

Subject Code:N114AV01

Date:03-06-2025

Subject Name:Basics of Planning - Software Applications

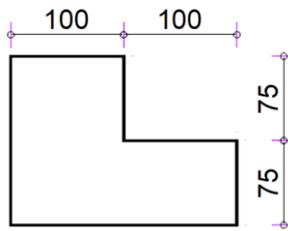
Time:10:30 AM TO 01:00 PM

Total Marks:70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

	MARKS
Q.1 (a) Enlist principles of architectural planning.	03
(b) How RERA protects the buyers while purchasing real estate property?	04
(c) Explain in detail importance of Aspect and prospect while designing the building.	07
Q.2 (a) Enlist various software applications useful to prepare drawings and layouts of building.	03
(b) Explain different ways to draw circles in AutoCAD.	04
(c) Enlist various modification commands used to modify objects in a drawing. Explain any three of them in detail.	07
OR	
(c) How do you setup the dimension style in AutoCAD.	07
Q.3 (a) Explain the procedure to set up a new drawing.	03
(b) What are the different ways to draw arc in AutoCAD.	04
(c) Explain the use of the Design Center in AutoCAD.	07
OR	
Q.3 (a) What are different drawing units you can use in AutoCAD?	03
(b) Enlist use of Various Function keys in AutoCAD e.g. F1.	04
(c) Explain AutoCAD workspace. Support your answer with the sketch of AutoCAD workspace.	07
Q.4 (a) Which are the most common short cut keys you use in AutoCAD?	03
(b) Explain how layers can be used to manage the drawing.	04
(c) What care you will take while preparing the Furniture layout?	07
OR	
Q.4 (a) Explain following commands (i) snap (ii) move (iii) copy	03
(b) Explain use of the array command by giving appropriate example?	04
(c) Write a short note on BIM	07
Q.5 (a) Define building bye-laws and write down its objectives.	03
(b) Using line command how will you draw the following figure? Illustrate the step-by-step procedure.	04



- (c) Draw elevation of the single story plan given in fig.1 take appropriate dimensions of the spaces. **07**

OR

- Q.5** (a) Define model space and Paper space in AutoCAD. **03**
 (b) Differentiate AutoCAD and Revit as a drafting software **04**
 (c) Draw section A-A of the single story plan given in fig.1 take appropriate dimensions of the spaces. Section can be drawn above the ground level. **07**

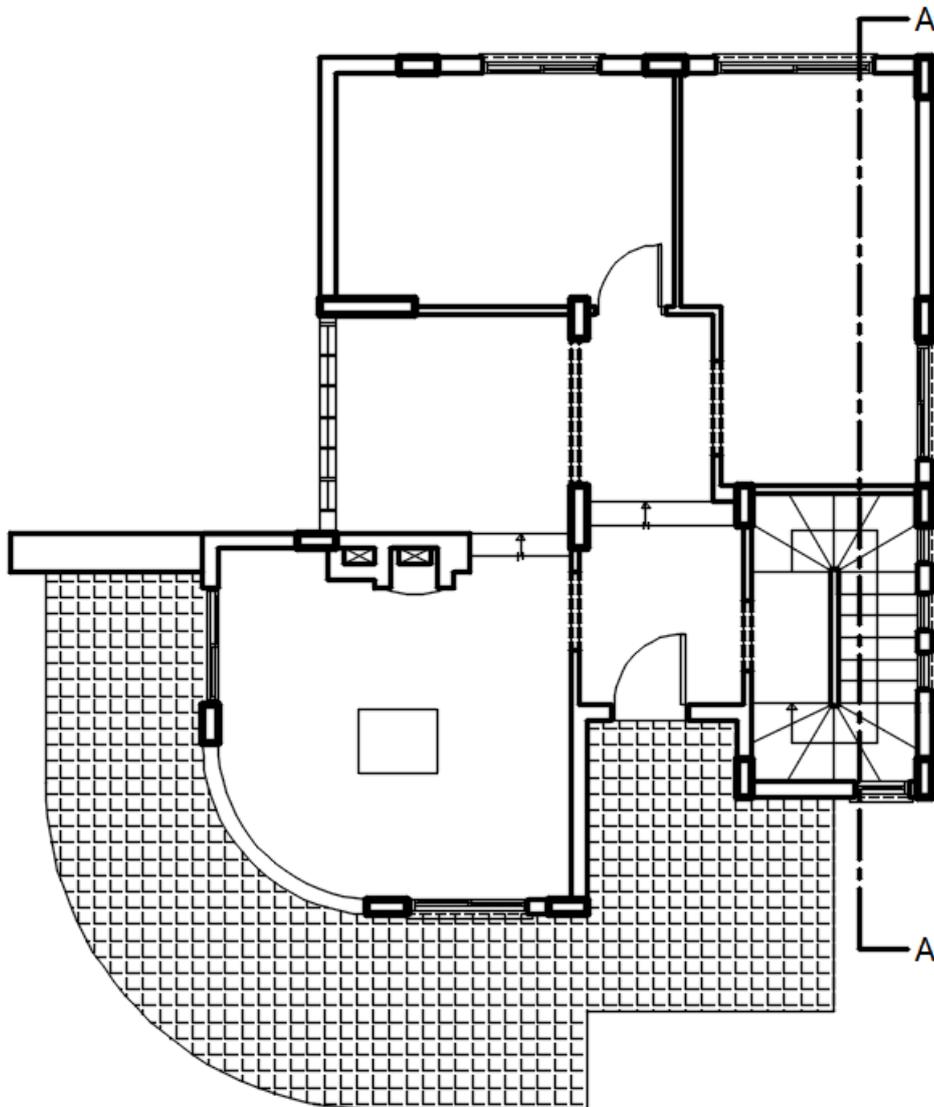


Fig. 1
