000126

PRN:		Course Code :	UCE301

Second Year **B. Tech** End Semester Examination Winter 2024

Building Drawing and Design

Day and Date: Fri 22 Nov 2024 Max Marks: **50**

Time : 10:30AM To 12:30PM Duration: **02** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt any two from the following**			
	a)	Explain the basic components included in the planning, elevation, and section drawings of a residential building	06	2	CO1
	b)	Enlist the principal of building planning. Explain any two	06	2	CO1
	c)	Describe the significance of each view (plan, elevation, and section) in a residential building drawing.	06	2	CO1
Q.2		**Attempt from the following**			
	a)	Prepare a plan using following details for a residential building having road facing towards east. (Assume suitable data if necessary) Scale: 1:100[Single line plan] 1. Leaving Hall 2. Kitchen 3. Master bedroom 4. Bathroom 5. W.C	06	4	CO2
	b)	Draw a site plan for a residential building using the above details.	06	4	CO2
		OR			
	b)	Prepare an elevation for a residential building using the above details.	06	4	CO2
Q.3		**Attempt the following**			
	a)	Explain the systems of plumbing with sketch.	06	2	CO3
	b)	Describe the principles behind septic tank with sketch.	07	2	CO3
		or			
	b)	Discuss the types of wiring and its importance in electrical installations.	07	2	CO3
Q.4		**Attempt the following**			
	a)	Draw a single line for the Hospital Building (not to scale) with details of units and their dimensions	06	3	CO4
	b)	Explain the factors considered for bank construction.	07	3	CO4
		or			
	b)	Draw single line plan (not to scale) for PWD building assuming suitable data	07	3	CO4

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