PRN:		Course Code :	UCE301

Second Year **B. Tech** End Semester Examination Winter 2023

Building Drawing and Design

Day and Date: Tuesday, 28/11/2023 Max Marks: **50**

Time : 10.30am to 12.30 PM Duration: **02** hrs

Instructions: All questions are compulsory.

		Marks	Bloom's Level	CO
Q.1	**Attempt any two from the following**			
a)	Explain plan, elevation and section of the building in detail.	06	02	CO1
b)	Prepare a plan for a residential building using following details (Assume suitable data if necessary) Scale: 1:100 (Draw Ground floor only) Dimensions: 1. Leaving Hall: 5.0m x4.0m 2. Kitchen: 2.7m x 3.25 m 3. Master bedroom: 3m x4.5m 4. Bathroom 5. W.C	06	03	CO1
c)	For the above given data in Q.1 b). Prepare first floor only. a) Study Room b) Guest bed room + attached toilet c) Sanitary Block as per requirement d) Staircase	06	03	CO1
Q.2	**Attempt any two from the following**			
a)	Enlist the various Principles of planning. Explain any two in details.	06	02	CO2
b)	Explain the object of building byelaws.	06	02	CO2
c)	Illustrate types of ventilation in details.	06	02	CO2
Q.3	**Attempt the following**			
a)	Explain with neat sketch the various types of traps.	06	02	CO3
b)	Draw the neat sketch of septic tank with detailing.	07	02	CO3
	or			
b)	Explain importance of rainwater harvesting.	07	02	CO3
Q.4	**Attempt the following**			
a)	Explain the factors considered for hospital constructions.	06	03	CO4
b)	Draw single line plan (not to scale) for Bank Office Building assuming suitable data.	07	03	CO4
	or			
b)	Draw single line plan for Post Office Building assuming suitable data.	07	03	CO4

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