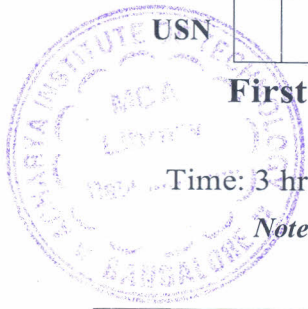


CBCS SCHEME

BETCK105B/BETCB105



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First Semester B.E./B.Tech. Degree Examination, June/July 2024 Green Buildings

Time: 3 hrs.

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.*

Module – 1			M	L	C
Q.1	a.	What is stabilized mud blocks? List out the advantages and disadvantages of stabilized mud block.	10	L1	CO1
	b.	Explain fibre reinforced polymer composites.	10	L2	CO1
OR					
Q.2	a.	What is concrete block? List out the advantages and disadvantages of concrete	10	L2	CO1
	b.	Explain the properties and advantages of Bamboo as building material.	10	L2	CO1
Module – 2					
Q.3	a.	Explain Rat trap bond with neat sketch.	10	L2	CO2
	b.	Explain filler slab and list out the advantages and disadvantages of filler slab.	10	L2	CO2
OR					
Q.4	a.	Explain Arches with neat sketch.	10	L2	CO2
	b.	Explain the different types of roofing systems.	10	L2	CO2
Module – 3					
Q.5	a.	Explain the causes of Global warming.	10	L2	CO3
	b.	Briefly explain the global efforts to reduce carbon emission.	10	L2	CO3
OR					
Q.6	a.	Explain the environmental and economic benefits of green building.	10	L2	CO3
	b.	Briefly explain the features and necessity of green building.	10	L2	CO3
Module – 4					
Q.7	a.	Write short notes on the following : i) BREEAM ii) LEED.	10	L1	CO4
	b.	Explain Green design.	10	L2	CO4
OR					
Q.8	a.	Write a short note on the following i) GRIHA ii) Characteristics of sustainable building.	10	L1	CO4
	b.	Explain Integrated life cycle design of materials.	10	L2	CO4
Module – 5					
Q.9	a.	Write about the types of solar energy technologies.	10	L1	CO5
	b.	Explain various low energy approaches to water management.	10	L2	CO5
OR					
Q.10	a.	Write about utility of solar energy in buildings.	10	L1	CO5
	b.	Explain the management of sullage water and sewage.	10	L2	CO5
