EPCET LIBRARY BANGALORE-A 9

CBCS SCHEME

USN | | | | | | | | | | |

BCV654B

Sixth Semester B.E./B.Tech. Degree Examination, June/July 2026
Geographical Information Systems

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.	Define GIS. Write down the components of GIS.	10	L1	CO1
	b.	Briefly discuss about the geographic coordinate system.	10	L2	CO1
		OR			
Q.2	a.	Illustrate the various types of attribute data.	10	L2	CO1
	b.	Differentiate Raster and Vector data.	10	L3	CO1
		Module – 2			
Q.3	a.	Discuss about Spatial Data Models.	10	L2	CO2
	b.	Define Object Based Data Model. Explain it.	10	L1	CO2
		OR			
Q.4	a.	Explain Spatial Data Types in detail.	10	L2	CO2
	b.	Define and describe TIN.	10	L1	CO3
		Module – 3			
Q.5	a.	Illustrate Raster Data file formats.	10	L3	CO3
	b.	Classify the Topology in spatial data.	10	L2	CO3

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