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	12. (a) Discuss the Region of the resolution of the Region		
	Question Paper Code: 50732		
	B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2023. bus steb students and the control becomes add nisland (d) Fifth Semester (BE) at notice point.		
ıformation	GI 8014 — GEOGRAPHIC INFORMATION SYSTEM		
ataanan	men han algeometrical (Regulations 2017) and the restoration (d)		
	hree hours Maximum: 100 marks Answer ALL questions.		
	PART A — $(10 \times 2 = 20 \text{ marks})$		
	ine Geographical Information System GIS.		
alignment	t any two open sources and proprietary GIS software each. beet yewight to have the work of the software each work of the software each. at is an ER Diagram in GIS.		
4. List	t any four types of raster compression techniques in GIS.		
	te the purpose of map projection.		
	at are the three main types of projections?		
7. Wh	y interoperability is important in GIS?		
8. List	the any four-information available in metadata.		
9. Mention the important components of map.			
10. Mer	ntion the issues that will give inaccuracy in vector to raster conversion.		
	PART B — $(5 \times 13 = 65 \text{ marks})$		
11. (a)	Describe the components of Geographical Information system with sketch.		
	m Or		
(d) 0732	Explain the types of attribute data with scales / levels of measurements.		

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	1:		
	12.	(a)	Discuss the Raster data structures with merits and demerits.
			Or
		(b)	Explain the Vector data structures with merits and demerits.
	13.	(a)	Discuss the importance to topology in GIS.
			Or
		(b)	Explain the external database linking with attribute data and GPS data integration in GIS.
	14.	(a)	Discuss the basic aspects of data quality in Geographical Information System.
			Or
		(b)	Explain the Spatial Data Infrastructure (SDI) concepts and components.
	15.	(a)	Discuss the map compilation procedure to print output map with graph, charts and multimedia information.
			\mathbf{Or}
		(b)	Compare and contrast Distributed GIS, Enterprise GIS and Desktop GIS.
			PART C — $(1 \times 15 = 15 \text{ marks})$
	16.	(a)	How can vector data model be utilized for Highway road alignment studies using GIS.
			d. List any four types of restor women to e-daily and techniques in the
		(b)	Discuss the role of GIS in Environment Impact Assessment Studies (EIA) with the help of a case study.
			7. Why interoperability is unportant is UIST.
			PART B = (5 × 13 = 95 magks)
			resour to second restate from an 2 amounts longery edit mislage. (50732)
			2 30752