Total	l No.	of Questions : 12] SEAT No. :				
P80	9	[Total No. of Pages	: 2			
		[4659] - 222				
		B.E. (Information Technology) (Semester - II)				
		GEO INFORMATICS SYSTEM				
		(2008 Pattern) (Elective - IV(C))				
Time: 3 Hours] [Max. Mo						
Insti	ructio	ons to the candidates :				
	1)	Answer any three questions from each section.				
	2)	Answers to the two sections should be written in separate books.				
	<i>3) 4)</i>	Neat diagrams must be drawn wherever necessary. Figures to the right indicate full marks.				
	<i>5)</i>	Use of calculator is allowed.				
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		SECTION - I				
<i>Q1)</i>	a)	Explain Image Interpretation strategy in detail?	[8]			
	b)	Explain Spatial filtering Technique in detail?	[8]			
OR						
Q2)	a)	Explain the different pre-processing method in detail?	[8]			
	b)	Explain Image enhancement and Registration in detail with example.	[8]			
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Q3)	a)	Explain the electromagnetic remote sensing process with diagram?	[9]			
	b)	Explain SAR and SLAR in detail with diagram?	[9]			
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OR						
Q4)	a)	Explain the radar principal with required formula. What are the factor affecting microwave?	ors [9]			

List various satellites. Describe them with example? [9] b)

Explain in detail the role of remote sensing in GIS? **Q5)** a) [8]

What is Map Projection? Describe different types of map projection?[8] b)

Q6)	a)	Explain the architecture of GIS in detail?	[8]				
	b)	Explain different types of scale representation?	[8]				
<u>SECTION - II</u>							
Q7)	a)	Explain various methods of conversion of geoinformation?	[8]				
	b)`	What are the sources and effects of errors in GIS?	[8]				
		OR					
Q8)	a)	Explain the factors that are affecting the reliability of GIS data.	[8]				
	b)	Describe in detail RMS error location error Topological error?	[8]				
Q9)	a)`	What are different techniques of geospatial data?	[9]				
	b)	What is raster data model? Explain it with suitable example?	[9]				
	OR						
Q10,) a)	Explain various GIS modeling techniques?	[9]				
	b)	What is vector data model? Explain it with suitable example.	[9]				
Q11,	a)	Describe different application of GIS?	[8]				
	b)	Describe the objectives of GIS design in detail?	[8]				
OR							
Q12,) a)	Explain issues and trends in GIS development.	[8]				
	b)	Explain how GIS can be used by municipal corporation to plan roadmaps?	for [8]				

