Total	l No.	of Questions : 12] SEAT No. :	٦
P80	9	[Total No. of Pages :	_ 2
		[4659] - 222	
		B.E. (Information Technology) (Semester - II)	
		GEO INFORMATICS SYSTEM	
		(2008 Pattern) (Elective - IV(C))	
Time	e:3 E	Hours] [Max. Marks: 10	0
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.	
	5)	Use of calculator is allowed.	
		<u>SECTION - I</u>	_
<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	3]
	b)	Explain Image enhancement and Registration in detail with example. [8	8]
Q3)	a)	Explain the electromagnetic remote sensing process with diagram? [9]	)]
	b)	Explain SAR and SLAR in detail with diagram? [9]	]
		OR	
Q4)	a)	Explain the radar principal with required formula. What are the factor affecting microwave?	

b) List various satellites Describe them with example?

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

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

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

<b>Q6</b> )	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,	<b>)</b> 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,	<b>)</b> a)	Explain issues and trends in GIS development.	[8]				
	b)	Explain how GIS can be used by municipal corporation to plan roadmaps?	for [ <b>8</b> ]				

