Total No. of Questions: 8] PB3755		of Questions: 8]	SEAT No.:
		[6262]-13	[Total No. of Pages :2
		T.E. (Civil Engineering)	
RE	MO	TE SENSING & GEOGRAPHIC INFO	RMATION SYSTEM
		(2019 Pattern) (Semester- II) (3	601014)
Time	: 21/2	he Hours]	[Max. Marks : 70
		ons to the candidates:	L
	<i>1</i>)	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or	Q.8.
	2)	Neat diagrams must be drawn wherever necessary.	~
	3)	Figures to the right side indicate full marks.	
	<i>4</i>)	Assume suitable data if necessary.	
	<i>5</i>)	Use of electronic pocket calculator is allowed in the	ne examination.
		8.	D.S.
Q 1)	a)	What are the three segments of GPS? Describ	be them briefly. [6]
	b)	Write a short note on following:	[6]
		i) GLONASS system	
		ii) Galileo system.	
	c)	Write a note on types of GPS tracking.	[5]
		CY %	
		OR	:0'
Q 2)	a)	Describe sources of error in SBPS.	[6]
	b)	Define IRNSS and illustrate its structure.	[6]
	c)	What is augmentation and explain about satell	ite-based augmentation.[5]
			of soft
<i>Q</i> 3)	a)	Explain in detail spectral signature curve with	neat sketch. [6]

Differentiate between supervised and unsupervised image classification.

[6]
Write down the need of digital image processing.

[6]

OR

P.T.O. c)

b)

Q4)	a)	Write a note on digital image and analog image. [6]		
	b)	Define Triangular Irregular Network Model (TIN) and its applications.[0	6]	
	c)	Discuss the steps in image processing system. [6]	6]	
Q 5)	a)	Illustrate the advantages of data storage in GIS.	6]	
	b)	Discuss the difference between drafting software's and GIS. [0	6]	
	c)	What are the functionalities of GIS?	5]	
		OR		
		OK %		
Q6)	a)	(), ·	6]	
	b)	Define Geographic Information System (GIS). What are the various sources from which data can be derived to be used for GIS?	us 6]	
	- \	<i>9.</i> [√]	_	
	c)	Discuss the concept of data transformation in GIS.	5]	
07)	-)	Discuss differences had been also formed Wiles and		
<i>Q7</i>)	a)	Discuss differences between raster and vector data formats. What type of data is raster format best suited for?	6]	
	b)		6]	
	c)	Illustrate the different projection systems and explain any one in detail.[6]		
		OR	0	
(10)	. \		2	
Q 8)	a)	Enumerate different Attribute Data models and explain any one of them.		
	b)	Explain in detail how to use remote sensing data in GIS. [6]		
	c)	What is Georeferencing of GIS data? And explain its importance in the		
		field of GIS?	6]	
		A. S.		