Total N	o. of Questions : 8] SEAT I	No. :
PA-1	434	Fotal No. of Pages : 2
	[5926]-50	
	T.E. (Civil)	
REM	OTE SENSING & GEOGRAPHIC INFORMAT	TION SYSTEM
	(2019 Pattern) (Semester - II) (301014	
	(2015) diterity (Selliester 11) (30101-	•)
Time: 2	P½ Hours]	[Max. Marks : 70
	tions to the candidates:	
1)	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.	
2)	Figures to the right indicate full marks.	200
<i>3) 4)</i>	Assume Suitable data, if necessary. Use of electronic pocket calculator is allowed in the examination.	ation
<i>5</i>)	Neat diagrams must be drawn wherever necessary.	mon.
0)	A. S.	
Q1) a)	Describe Global Navigation Satellite system in detail.	[6]
b)	Define IRNSS and illustrate its structure.	[6]
c)	Write Advantages of GPS.	[6]
Q2) a)	Compare different GNSS system throughout the World	ld. [6]
b)	Define DGPS. Write sources of errors of DGPS.	[6]
c)	Explain the type of Remote Sensing platforms.	[6]
	6.	
Q3) a)	List the image interpretation keys and explains any tw	o in detail with the
20) u)	help of necessary diagram.	[6]
b)		
c)	State the application of Digital Elevation Model (DEM	[5]
	OR	0,
Q4) a)	Define Triangular Irregular Network Model (TIN) and s	state its application. [6]
b)	What is Digital Image Processing? What are the mo	ost common image [6]

processing functions.

c)

State the application of Digital Terrain Model (DTM).

P.T.O.

[6]

[5]

<i>Q5</i>)	a)	Enlist the application of GIS and explain any one detailed application Civil Engineering.	on in [6]
	b)	Write in detail about various components of GIS.	[6]
	c)	Illustrate Cloud Computing with types and applications. OR	[6]
Q6)	a)	Define Geographical Information System and state Spatial Data types	. [6]
	b)	Write a note on fundamentals of Cartography and map creation in GIS	. [6]
	c)	State and explain essential elements of GIS.	[6]
Q7)	a)	Define Raster and Vector Data types. Explain with neat diagram.	[6]
	b)	What is Georeferencing of GIS data? And explain its importance in field of GIS?	the [6]
	c)	Define DBMS. State its function. OR	[5]
Q8)	a)	Explain the application of GIS in Hydrology.	[6]
	b)	What are the various methods of Georeferencing of GIS data? Explain brief.	
	c)	brief. Write GIS data types and its representation. *** *** *** ** ** ** ** ** *	[5]
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