	o. of Questions : 8]  SEAT No. :	
PA-1		2
	[5926]-50	
	T.E. (Civil)	
REM	OTE SENSING & GEOGRAPHIC INFORMATION SYSTEM	1
	(2019 Pattern) (Semester - II) (301014)	
Time : 2	[Max. Marks : 7	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.	
3)	Assume Suitable data, if necessary.	
<i>4</i> )	Use of electronic pocket calculator is allowed in the examination.	
5)	Neat diagrams must be drawn wherever necessary.	
01)		-
<b>Q1</b> ) a)		
b)	Define IRNSS and illustrate its structure. [6]	, <u>]</u>
c)	Write Advantages of GPS. [6	]
	OR	
<b>Q2</b> ) a)	Compare different GNSS system throughout the World. [6	
b)	Define DGPS. Write sources of errors of DGPS. [6	[]
c)	Explain the type of Remote Sensing platforms. [6	ĵ
,	6.	J
O(3)	List the image interpretation keys and explains any two in detail with the	
<b>Q3</b> ) a)	help of necessary diagram.	
b)	9.0	
c)		
<i>(</i> )	OR	,
04)		
<b>Q4</b> ) a)	Define Triangular Irregular Network Model (TIN) and state its application [6	
<b>b</b> )		
b)	processing functions. [6	
c)	State the application of Digital Terrain Model (DTM). [5	]
	P.T.O	).

Q5)	a)	Enlist the application of GIS and explain any one detailed application Civil Engineering.	on in [ <b>6</b> ]
	b)	Write in detail about various components of GIS.	[6]
	c)	Illustrate Cloud Computing with types and applications.  OR	[6]
<b>Q6</b> )	a)	Define Geographical Information System and state Spatial Data types	s. <b>[6]</b>
	b)	Write a note on fundamentals of Cartography and map creation in GIS	. [6]
	c)	State and explain essential elements of GIS.	[6]
<b>Q</b> 7)	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 <b>[6]</b>
	c)	Define DBMS. State its function.	[5]
		OR	
<b>Q</b> 8)	a)	Explain the application of GIS in Hydrology.	[6]
	b)	What are the various methods of Georeferencing of GIS data? Expla brief.	
	c)	Write GIS data types and its representation.	[5]
		brief.  Write GIS data types and its representation.	

[5926]-50