Code: 4G683			R-14		
C	.00	IV B.Tech. II Semester Supplementary Examinations July	2021		_
		Remote Sensing and GIS Applications	-021		
		(Civil Engineering)			
		. Marks: 70	Time: 3		
P	\nsv	ver any five full questions by choosing one question from each unit (5x	14 = 70 N	<i>Aarks</i>)
			Marks	со	Bloor
		UNIT–I			Leve
	a)	What are the advantages of aerial photography?	5M	CO1	l
•	b)	Explain the various types of aerial photographs.	9M	CO1	L
	0)	OR	3101	001	1
	a)	Difference between a map and an aerial photograph.	7M	CO1	I
•	b)	Explain the Parallax measurements for height	7M	CO1	
	0)		7 101	001	I
	a)	Explain the basic concept and foundation of remote sensing	7M	CO2	
	b)	Explain the electromagnetic spectrum.	7M	CO2	
	0)	OR	, 101	002	
	a)	Explain energy interaction with earth surface materials.	7M	CO2	
	b)	Explain the elements of visual interpretation techniques	7M	CO2	
	0)	UNIT-III	7 101	002	
	a)	Define GIS. Explain the components of GIS	7M	CO3	
	b)	Explain the theoretical framework for GIS	7M		
	,	OR		000	
	a)	Describe about the attribute data and spatial data	7M	CO3	
	b)	Explain the advantages and limitations of GIS.	7M	CO3	
	0)		7 101	005	
	a)	Write a brief note on Computational Analysis Methods in GIS	7M	CO4	
	∽, b)	Explain the advantages of vector data storage	7M	CO4	
	,	OR		001	
		Explain the integrated analysis of the spatial and attribute data	14M	CO4	
		UNIT-V		001	
	a)	Explain the impact of Land use change on stream water quality.	7M	CO5	
	b)	Give a brief note on flood and drought impact assessment and monitoring i			
	,	GIS.	7M	CO5	
		OR			
	a)	How can you monitor water resources management through GIS?	7M	CO5	
		Describe briefly about identification of sites for artificial recharge structures	7M	CO5	