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Code No: 117GY JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, November/December - 2016 REMOTE SENSING AND GIS

(Civil Engineering)

Time	: 3 Hours		3	Max	. Marks: 75	
Note	This question paper compart A is compulsory where consists of 5 Units. Answer	nich carries 25 wer any one fu	marks. Answer all question from	each unit. Each q		130
ş edisəlliye.	carries 10 marks and ma	y have a, b, c	as sub questions.	en Lindskipper	· G	
1.a)	What is Image parallax?	x • ••x•	ART- A	ME	(25 Marks) [2] [3]	
b) c) d)	What is false color comp What are the advantages	osite? and limitatior	s of Remote Sen		[2] [3]	
e) f) g) h) i) j)	What is Geospatial data? :What are the different of What is coverage and no What are the advantages What is Scanning? Explain about IMGRID is	erations:perfo des? of vector data model.	over raster data	?	[2] [2] [3] [2] [3]	
2.a)	How will you calculate s		ART-B		(50 Marks)	4.0 v b e s e s e s e s e s e s e s e s e s e
b)	Discuss stereoscopic nea	t model.	OR		[5+5]	
3.a): [Explain the basic geomet Explain how will you me	ric characteris asure height o	tics of a Aerial F	Photographs. aerial photograph	n. [5+5]	YP9 0XF
	Illustrate the principal di Explain different types of What are the different me	resolutions in thods of data	nvolved in Remo OR collection in Rer	te Sensing? Give on the Sensing? Exp	examples.[5+5]	
6.a) b)	Describe interaction of ra What are the sub systems Explain the process of join	of GIS? Disconing spatial da	uss the advantage	e of analysis sub s data in GIS.	ystem. [5+5]	
7.a)	What are the commonly under the UTM Grid s	sed map proje ystem.	ections in GIS? E	explain ihe;advant	ages[5+5]	**************************************
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	8.a) What entitie		Describe with sl	ketches, types o	of topology estab	lished based on	
		ss Spaghetti vect	or data model.	OR		[5+5]	
	9.a) Expla b) Expla c) Discu	in GBF/DIME ve in brief about TI ss POLYVRT ve	ector model. GER vector model. ector model.	March 19		[4+2+4]	
	10.a) Expla b) Expla	in how will you s in run length enc	store physical fea oding and raster	chain method of	ormat with exampled data compression	es. . [5+5]	•
11,	1 [:a) What b) Discu	are the different ss the various typ	methods of data	OR	tion with sketches	. [5+5]	
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