[5+5]

Code No: 117GY

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, November/December - 2016 REMOTE SENSING AND GIS

(Civil Engineering)

no.	2 11	(CIV.		Max. Ma	rks: 75			
Note:	This question paper cont Part A is compulsory wh consists of 5 Units. Answerries 10 marks and ma	nich carries 2 wer any one	full question from eac	questions in Part A.	Párt B			
1.a) b)	What is Image parallax? Differentiate vertical an	d tilted phot	PART- A ographs.		(25 Marks) [2] [3] [2]			
f)	What is false color com What are the advantages What is Geospatial data What are the different of	s and limitat ? perations pe	A	g?	[3] [2] [3] [2]			
g) h) i) j)	What is coverage and now what are the advantage What is Scanning? Explain about IMGRID	s of vector d	ata over raster data?	Participan	[3] [2] [3]			
			PART-B	atti	(50 Marks)			
2.a) b)	How will you calculate Discuss stereoscopic no	eat model.	OR		[5+5]			
<ul><li>3.a) Explain the basic geometric characteristics of a Aerial Photographs.</li><li>b) Explain how will you measure height of an object using aerial photograph.</li></ul>								
4.a) b)	Illustrate the principal Explain different types	of resolutio	ns involved in Remote  OR	e Sensing! Give ex	ampics.[515]			
5.a) b)	What are the different Describe interaction of	methods of or radiation w	data collection in Rem	ote Sensing? Explanatures.	in. [5+5]			
6.a) b)	What are the sub syste Explain the process of	joining spat	ial data with attribute OR	data in GIS.	[545]			
7.a)	What are the common	ly used map	projections in GIS? E	xplain the advantag	ges. [5+5]			

Describe the UTM Grid system.

	at is topology? D	escribe with ske	etches; types of	topology establis	shed based on	
b) Dis	ities. cuss Spaghetti vecto		OR		[5+5]	
9.a) Exp b): :Exp c):Dis	plain GBF/DIME ve plain brief about TIC scuss POLYVRT ve	ctor model. GER vector mode ctor model.	1. <u>25</u> 6,	26	[4+2+4]	2
10.a) Exp	plain how will you s plain run length enc	oding and raster of	chain method of	rmat with examples data compression.	5. [5+5]	
44 55 3371	hat are the different scuss the various typ	methods:rof data i	OR GIS?		[5+5]	
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