No. of Printed Pages: 2

BICE-006

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination June, 2018

00043

BICE-006: GEOINFORMATICS

Time	e : 3 h	ours Maximum Mar	${\it Maximum~Marks}: 70$	
Note		nswer any seven questions. All questions ual marks.	carry	
1.		are aerial photographs? Describe the area aerial photographs in detail.	ne 10	
2.	(a)	Discuss the term Overlap in aeria photogrammetry.	al <i>5</i>	
	(b)	Compare the aerial map with topograph map.	ic <i>5</i>	
3.	(a)	What do you understand by resolution of sensor?	a 5	
	(b)	Describe the different types of resolution sensors in detail.	on 5	
4.	(a)	Explain the remote sensing process briefl with the help of a neat sketch.	y, 5	
	(b)	What is spectral reflectance curve are what are its utilities in remote sensing?	nd <i>5</i>	
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Э.	(a)	What is Image Histogram? Explain.		
	(b)	Explain supervised and unsupervised classification of satellite image in detail.	6	
6.		ne GIS. Describe the key components of GIS. ain the function of GIS in detail.	10	
7 .	Differentiate between raster and vector formats in GIS using suitable examples.			
8.	(a)	What are GPS positioning types? Explain them in detail.	5	
	(b)	Discuss the factors which affect GPS survey.	5	
9.	Describe the working of a satellite navigation system.			
10.	follow	wing: $4 \times 2\frac{1}{2}$	=10	
	(a)	Parallax Bar		
	(b)	Kinematic GPS		
	(c)	Spatial Filter		
	(d)	Scale in Aerial Photograph		
	(e)	C/A - Code in GPS Satellite Signals		