	Roll.No					
B. E / E	B. Tech. (Full Time) DEGREE END SEMESTER EXAMIN. AGRICULTURAL AND IRRIGATION ENGINE FIFTH SEMESTER – (REGULATION 20 A19303 - REMOTE SENSING	EERIN		RIL / N	ЛАҮ 2	014
TIME: 3	3 Hr Answer ALL Questions			Max	Mark:	100
1 \\/L:	Part A (10 x 2 = 20 MARKS)		_			
	ich form of energy transfer in suitable for remote sensing a	and wr	ıy?			
	at is meant by atmospheric window?					
	erentiate Push broom and Whisk broom sensors					
	ine Spectral Resolution.		2			
	v do you classify the data products based on level of process	•		4-4:	- 0	
	v selective key is different from elimination key for visual ir	mage i ·	nterpr	etation	1?	
	ine Histogram the various indices and define NDWI					
	w the spectral reflectance curve for soil		•			
U. VVIIZ	at are BSQ, BIP and BIL?					
11 0 ; [	Part B (5 x 16 = 80 MARKS)		مهزا د	بيال لمصد	atrata	. Aba
	Draw the spectral reflectance curves for water, vegetatio behavior of the same	on and	SOII a	ına ıllu		
		ollitoo			(	(16)
	Differentiate Sun Synchronous and Geo Synchronous sate					(4) (12)
a.II t	Explain in detail the significance of various resolutions in t	ne sac	emies		(	(12)
h: f	OR	al				
	Explain in detail, the process of passive microwave and sensing.	u acın	/e mic	nowav		116)
13 a.i /	A hardcopy map from LISS III sensor is available in 1:50	0,000 s	scale.	It is re	equire	d to
	get detailed information from this map. How to inte				-	
-	this map	•				(16)
	OR		•		`	
b.i(	Classify the data products from satellites based on lev	vel of	proce	ssing	and c	data
f.	formats				(	16)
4 a.i E	Explain non-linear contrast enhancement of the digital ima	age			(	16)
	OR				·	•
b.i E	Explain the methodology adopted in supervised classific	cation	of a	digital	image	e to
C	categorize the nivels into land cover classes		•		7	16)

15 a.i Discuss the techniques adopted in Reservoir sedimentation estimation using digital

OR
b.i Explain any methodology adopted for Evapotranspiration estimation using remote

(16)

(16)

image processing

sensing images