

KERALA AGRICULTURAL UNIVERSITY B. Tech. (Agrl. Engg.) 2021 Admission VI Semester Final Examination – June 2024

Lwre.3209

Remote Sensing and GIS Applications (1+1)

Marks: 50 Time: 2 hours

I		Fill in the blanks	10
	1.	11UX 1	=10
	2.	Remote sensing systems which use natural energy from the sun is called	
	3.	Greater fineness of the image and detail of the object can be obtained byresoluti	
	4,	Number of wave peaks passing a fixed point in a given time is called	OII.
	5.	The device that receives the electromagnetic radiation and convert it into signal is known	n as
	6.	Rasterization is the process of conversion from	
	7.	Rasterization is the process of conversion from to	
	8.	of the coloct is defined by the colon of the fight	
	9.	A device to measure the spectral distribution of electromagnetic radiation is	
	10.	Transformation of an image which results in a second of the image which is a sec	
	10.	Transformation of an image which results in a new image with the pixel stored in a ne	iew
II		Write short notes on ANY FIVE of the following (5x2=	
	1.	DEM (5x2=	10)
	2.	Raster data	
	3.	GPS	
	4.	Microwave remote sensing	
	5.	Atmospheric window	
	6.	Mosaicking	
	7.	GLONASS	
III		Answer ANY FIVE of the following (5x4-2	(0)
	1.	Write advantages of remote sensing. (5x4=2)	(U)
	2.	What is remote sensing? Write components of remote sensing.	
	3.	Write basic characteristics of a aerial photographs.	
	4.	Discuss remote sensing platforms.	
	5.	What is GIS? Write components of GIS.	
	6.	Write common application of GIS.	
	7.	Define active remote sensing sensors.	
IV		Write an essay on ANY ONE of the following (1x10=10	0)
	1.	What is visual image interpretation? Discuss various elements of visual interpretation	")
	2.	Discuss various spectral reflectance characteristics of soils	
