

R-8023

M. Arch. - I (Sem. I) Examination May/June - 2010 Remote Sensing & GIS

Time : 2	Hours]	[Total Marks: 50
Instruct	ions:	
નીચે દર્શાવેલ Fillup stric Name of th M. Are Name of th	ctly the details of signs on your answer book. ie Examination: ch 1 (Sem. 1) ie Subject: ie Sensing & GIS	Seat No. : Student's Signature
	are to the right indicate full marks.	
1 Fill (i) (ii) (iii) (iv) (v)	in the blanks: The reflectance from each unit of an im to as the number. Regions of the EMS which remain un atmosphere are called GCP or ground control points are used to distortion in an image. SONAR is an sensor. the smallest unit in the satellite ima	age is referred altered by the correct
(i) (ii) (iii) (iv) (v)	Image enhancement and image restora Spectral and radiometric resolution GCP and GPS Google and IRS - 1D images Visual and digital interpretation.	_ -
3 Ans (i) (ii) (iii)	wer in detail: (any two) Write in detail about any two ima techniques which you have studied. Write about any two applications of GI urban development/planning which you Explain in detail how visible sensor dat for urban applications.	S software for have studied.
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4 Tick (i)		the correct answers:	5	
		Urban planners would avoid using remotely sensed		
		data from:		
		(a) The microwave region		
		(b) The UV region		
		(c) The IR region		
		(d) The visible region		
	(ii)	Spatial resolution of a sensor refers to the:		
		(a) Ability to sense the smallest object		
		(b) Frequency of viewing an area		
		(c) Ability to sense suburban structures		
		(d) Ability to sense finer band widths.		
(ii	(iii)	Daylight photography is an example of:		
		(a) An active sensor		
		(b) A passive sensor		
		(c) Both active and passive sensor		
		(d) An indifferent sensor.		
	(iv)	The visible region ranges from		
		(a) 0.3 to 0.4 micrometer		
		(b) 0.03 to 0.04 micrometer		
		(c) 300-400 nanometer		
(v)	()	(d) None of the above.		
	(v)	Image interpretation is done prior to image processing.		
		(a) True		
		(b) Untrue		
		(c) Partly true		
		(d) None of the above.		
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(i) (ii) (iii) (iv)		e short notes on :	10	
	3.6	Spectral signatures Chandrayan		
		Chandrayaan Atmospheric Noise		
		Charged Coupled Devices		
	(v)	National Data Centre.		
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6		wer in detail :	10	
	(i)	Cite an interesting case study in India/abroad where in		
		GIS package was used effectively for commercial benefit		
	, ·	of a private company.		
(ii)	As a city designer how will you use remotely sensed data			
	along with GLS package to renovate an old area of a			
		city to suite the modern day requirements.		