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Cod	e No: 127GY JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERAB	R15	
	B. Tech IV Year I Semester Examinations, November/December - 2018  REMOTE SENSING AND GIS  (Civil Engineering)  Max. Mark  This question paper contains two parts A and B.  Part A is compulsory which carries 25 marks. Answer all questions in Part consists of 5 Units. Answer any one full question from each unit. Each question marks and may have a, b, c as sub questions.	A. Part B	
AG	$\triangle$ G $\triangle$ G $\triangle$ RART <sub>A</sub> $\triangle$ G $\triangle$ G <sub>2</sub>	5 Marks)	_
1.a) b) c) d) e) f) g) h) i)	Define Photo Scale and Map scale. What are the types of Aerial Photographs? And explain any one in detail. What is a Geo Synchronous Satellite? What are the different types of sensors based on its platform? What is a Projection? Explain the significance of Attribute data in GIS. How to represent a Point? in vector data format? What are the elements of a Vector system? What is a Metadata? What is the importance of Source map in GIS?	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3]	_
		) Marks)	
	PART - B  Explain the measurement of Height based on Relief displacement.  What is stereoscopy? What is its application in Photogrammetry?  OR		<u> </u>
	Explain the measurement of Height based on Relief displacement.  What is stereoscopy? What is its application in Photogrammetry?  OR  Explain the steps involved in measuring the height of an object from single	[5+5]	_
b)	Explain the measurement of Height based on Relief displacement. What is stereoscopy? What is its application in Photogrammetry?  OR	[5+5]	A
3.a)	Explain the measurement of Height based on Relief displacement.  What is stereoscopy? What is its application in Photogrammetry?  OR  Explain the steps involved in measuring the height of an object from single aerial photograph.	[5+5] -vertical	<u> </u>
b) 3.a) b) 4.a)	Explain the measurement of Height based on Relief displacement.  What is stereoscopy? What is its application in Photogrammetry?  OR  Explain the steps involved in measuring the height of an object from single aerial photograph.  Explain parallax measurement over vertical photograph.  List and explain the types of 'Scattering' observed in Earth's Atmosphere.  Explain the significance of Electro-Magnetic bands in Remote Sensing.	$[5+5]$ $-\text{vertical}$ $[5+5]$ $\triangle$	<u> </u>
b) 3.a) b) 4.a) b) 5.a)	Explain the measurement of Height based on Relief displacement.  What is stereoscopy? What is its application in Photogrammetry?  OR  Explain the steps involved in measuring the height of an object from single aerial photograph.  Explain parallax measurement over vertical photograph.  List and explain the types of 'Scattering' observed in Earth's Atmosphere.  Explain the significance of Electro-Magnetic bands in Remote Sensing.  OR  Explain the Energy interactions with Earth surface features.	[5+5] -vertical [5+5] [6+4]	<u> </u>
b) 3.a) b) 4.a) b) 5.a) b)	Explain the measurement of Height based on Relief displacement.  What is stereoscopy? What is its application in Photogrammetry?  OR  Explain the steps involved in measuring the height of an object from single aerial photograph.  Explain parallax measurement over vertical photograph.  List and explain the types of 'Scattering' observed in Earth's Atmosphere.  Explain the significance of Electro-Magnetic bands in Remote Sensing.  OR  Explain the Energy interactions with Earth surface features.  What is a False Colour Composite? Explain its significance.  What are the Components of Geographic Information System, explain them.  Explain the procedure of inputting attribute data? How you will correct errors?  OR	[5+5] -vertical [5+5] [6+4] [6+4]	<u> </u>

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	8.a b 	[5+5] [5+5]	A					
	10.	[6+4]						
	AC11.	a) Explain the t b) Explain vari	ypes of Raster Gous methods used	OR IS models I for digitization	to create spatial d	lata.	[644]	A
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