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Cod	le No: 117GY		
	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERAE	BAD	
in access,	B. Tech IV Year I Semester Examinations, April/May - 2018	A services	
$\Delta \cap \Delta$	REMOTE SENSING AND GIS (Common to CE, CEE)	$\Delta \cap \Delta$	
/ \\Tim	ne: 3 Hours (Common to CE, CEE) Max. Mar	ks: 75	/
Not	e: This question paper contains two parts A and B.		
	Part A is compulsory which carries 25 marks. Answer all questions in Part A.		
	consists of 5 Units. Answer any one full question from each unit. Each questions 10 marks and may have a, b, c as sub questions.	uestion	
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A(f)	$\triangle G \triangle G \triangle AG \triangle G$	A(-)	/
V V M		25 Marks)	/
1.a)	What is stereoscope?	[2]	
b)	Give the classification of Aerial Photographs	[3]	
c)	Differentiate between Sun Synchronous and Geosynchronous orbit.	[2]	
$\wedge \wedge \wedge \stackrel{d}{\wedge}$	What do you mean by IRS? Give Examples. What is map Projection?	[3]	/
(f) = (f)	What is map Projection? Explain how you will link spatial and attribute data	[3]	<i></i>
g)	What is Coverage? In which formats you can store?	[2]	
h)	What is Geodatabase?	[3]	
i) j)	What is Metadata? What do you mean by scanning? In which formats output will be generated?	[2] [3]	
J)			
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	MU MU MU MU	50 Marks)	
2.a)	Draw a neat sketch of Geometry of vertical aerial photograph.		
b)	What is vertical exaggeration? How you will determine vertical exaggeration?	[4+6]	
	OR		
3.a)	What is relief displacement of aerial photograph? Explain with neat sketch.	re An Am	/
$\triangle (\neg b)$	Explain how parallax measurements are done using fiducial line.		/_
4.a)	What are the types of scattering? Explain.	A Second	/
b)	Explain different data collection methods of RS.	[5+5]	
5 0)	OR What are the types of resolution involved in Remote Sensing? Explain.		
5.a) b)	What do you mean by Digital Image Processing? Explain basic processes involved in Kemote Sensing? Explain.	/ed.[5+5]	
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(6.a)	Explain the different operations performed in GIS?		Jum
b)	what is O I'm Projection? Explain in detail.	[5+5]	
7.a)	OR Differentiate between Manual Digitization and Automated Digitization.		
b)	What are the different data analysis methods in GIS? Brief them.	[5+5]	
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9.a) b) 10.a	Brief the diff Explain POL What impact Explain how Explain run l	different vector of different vector of the control	compacting vect /DIME model. ze have on the location, line and area OR and raster chain m	or data?.	?	[5+5] [5+5] [3+7] [7+3]	·
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