

2023/TDC(CBCS)/EVEN/SEM/ GELSEC-601T/084

TDC (CBCS) Even Semester Exam., 202	
What do you nYBOLOGY networks or its	-5
(6th Semester)	Ġ.
Course No. : GELSEC-601T	.5
(Photogeology and Remote Sensing)	.8
Full Marks: 50 Pass Marks: 20	.P
Time: 3 hours of his strike	OI
The figures in the margin indicate full mark for the questions	S
MADAD In mul hid adi shift SECTION—A	.EI
Answer any fifteen of the following questions:	.51
** 7910 u 1667	15=15
1. Define photogeology.	
2. Name the orbits of the weather satellites are earth observation satellites.	nd
3. Why are geosynchronous satellites calle geostationary satellites?	
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4.	Mentio	on any	two	major	differences	between
	aerial	photog	raph	and a	a map. <mark>2080</mark>	130

- 5. What do you mean by geosynchronous orbit?
- 6. Define stereovision:
- 7. Write the abbreviaions of MSS and LISS.
- 8. Name one foreign remote-sensing satellite.
- 9. Define vertical aerial photograph.
- 10. Write the bands used in LISS-I sensor.
- 11. Write the full form of RADAR.
- 12. Write the full form of GAGAN.
- 13. Name two GIS softwares.
- 14. What is DIP?
- 15. What is preprocessing?
- 16. What is geometric correction?
- 17. Write the full form of FCC.

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18.	What is the full form of Landsat?	
19.	Name the image enhancement techniques.	afi
20.	What is temporal resolution?	ID
	SECTION B SELECTION .	32
Write	short notes on any five of the following:	
		×5=
21.	Aerial photographs	
22.	Scale of aerial photograph	33
∂=∆¹?+∆\ 23.	Components of remote sensing	\$E
24.	Active and passive remote sensing	
25.	Sensors in IRS series of satellite	
Alter Lie	While about on cent at alled in in	32
26.	Geoconferencing and an animal state of the s	
5030t	organization associated with the S	
G 4 21.	Pattern recognition .sibril ni mission	
∂ 28. \$	Spectral reflectance curve	i i
	Advantages of microwave remote sensing	
30. /	Atmospheric window	
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Answ	ver any five of the following questions:	5×5=25
31.	Discuss the elements of photo-interpreta	ation.
32.	Write notes on the following:	21/2+21/2=5
	(a) Space borne platform	Write
245=	(b) Indian remote-sensing satellite	
*:	artquegenia ii, tariff	21.
33.	Discuss the application of RS in geoscie	nce.
34.	Write notes on the following:	21/2+21/2=5
	(a) Landsat series of satellite	*
	(b) Microwave remote sensing	24.
	aggrega to hanse EM at excen-	22. 31
35.	Write about the sensors used in	Indian
	Remote-Sensing Satellite. Name	
	organization associated with the Mission in India acidingous Rights	4+1=5
	The leading to the second	.c. 96
36.	Write notes on the following:	21/2+21/2=5
Ţ	(a) Product generation in GIS	25. A
.4	(b) Image classification	30. At
x 1		
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37. Write about the steps of DIP. Add a note on geometric correction.
5
38. Define GIS and the components of GIS. Write about the tools for map analysis.
3+2=5
39. Explain the following: 2½+2½=5
(a) User segment of GIS
(b) Integration of GIS with RS
40. Write notes on the following: 2½+2½=5
(a) Geometry of aerial photograph
(b) Electro-magnetic Spectrum (EMS)

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