			4
M	CI	A - Elective -I - Geographic & System. Code: 515	far
		Ougstion No. 1 is compulsory	701
		03 12 16 (3 Hours) [Total Marks:80]	B G-9
		Sem TV (3 Hours) [10tal Marks :80	
NI	P . 1)	Question No. Lie compulsory	
14.1	The state of the s	Question No.1 is compulsory . Attempt any four from the remaining six questions.	
	4)	Attempt any four from the remaining six questions.	
1.	(a)	Discuss the term geocoding. What is the process of geocoding and explain it with a suitable example?	(10)
	(b)	Describe the geographic coordinate system and clarify the	(10)
	1-1	importance of datum in GIS.	100
			70
2.	(a)	Explain the geographic matrix as used to represent geographic	(07)
		data.	
	(b)	Explain what is projection? Discuss the various methods of map projections.	(08)
90	0 20		025-20
3.	(a)	What is overlay operation? Explain the groups of overlay operations and overlay methods in detail.	(07)
	(b)	What is pattern analysis? Describe Nearest Neighbor Analysis.	(08)
1	(0)	Evaloin the geographic acardinate gustam and alorify the	(07)
4.	(a)	Explain the geographic coordinate system and clarify the importance of datum in GIS.	(07)
	(b)	Briefly explain the key data issues encountered in implementing	(08)
	(0)	GIS.	(00)
5.	(a)	Explain the difference between the object based data model and	(07)
	(4)	georelational data model.	(01)
	(b)	List the major application areas of GIS.	(08)
	1-1		(00)
6.	(a)	With the aid of a diagram, describe the configuration of a	(07)
		geospatial data warehouse.	, , ,
	(b)	Explain the concept of data classification and feature coding.	(08)
7.	Wri	e Short Notes on any three :-	(15)
) Buffering	10
	t) Topology	
		Spatial data and attribute data.	
	C	l) Digitizing Process	