
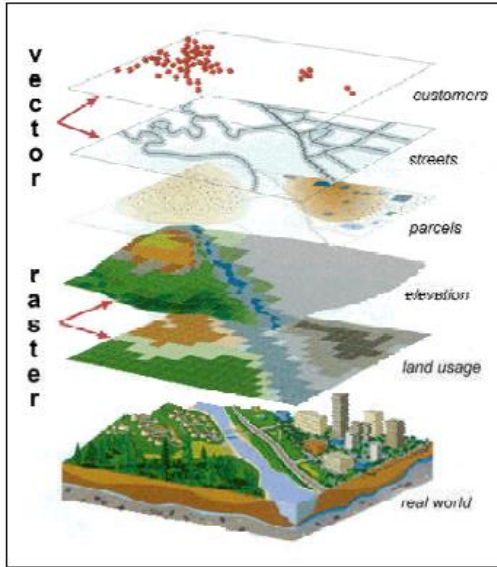


Name:			
Enrolment No:			
UPES End Semester Examination, December 2024			
Programme Name : B.Sc.-H Chemistry, B.Sc.-H Physics		Semester : VII	
Course Name : Introduction to Geospatial Technologies		Time : 03 hrs	
Course Code : PEGS 4015		Max. Marks: 100	
Nos. of page(s) : 2			
Instructions: Answer all questions in Section A. There is choice in Section B and C			
SECTION A (4 Marks * 5 = 20 Marks) Answer all questions			
S. No.		Marks	CO
Q 1	Define the term spatial and temporal resolution	4	CO1
Q 2	Differentiate between radiometric resolution and radiometric enhancement	4	CO2
Q 3	How surface features of Earth can be identified by satellite imagery?	4	CO1
Q 4	List out the key components of Geospatial Technologies	4	CO2
Q 5	List out the key features of Indian Navigation system	4	CO3
SECTION B (10 Marks * 4 = 40 Marks) Answer all questions			
Q 6	Explain the IDW method of interpolation with suitable example	10	CO2
Q 7	Evaluate the Indian Satellite system in Earth Resource mapping OR Explain the Global Navigation satellite system	10	CO3
Q8	Explain the concept of GIS data modelling from given figure	10	CO1



Q9	Discuss the process of supervised and unsupervised method of classification	10	CO3
SECTION C (20 Marks * 2 = 40 Marks)			
Q 10	Evaluate the role of Geospatial technology in water resource management OR Develop an integrated approach of RS & GIS in natural resource mapping and management	20	CO3
Q 11	Compare the different type of image enhancement technique being used in image interpretation	20	CO4