

Semester-V Hons

DSE1A: Remote Sensing and GIS (Theory)

Teacher: Nanigopal Kapasia

Suggested Books:

1. Geographical information system-B.Bhatta
2. Geographical information system-N. Panigrahi

L. No.	Topic	Remarks
1	Concept of GIS	
2	Necessity and application of GIS	
3	Component of GIS	
4	Characteristics and requirements of Hardware and Software	
5	Advantages and disadvantages of Hardware and Software	
6	Basic GIS Data structure	
7	Properties of Raster and Vector Data	
8	Advantages and disadvantages of Raster and Vector Data	
9	Principles and Concept of attribute table	
10	Preparation stages for attribute table	
11	Determinants for preparing attribute table	
12	Data manipulation	
13	Process of data manipulation	
14	Techniques of Overlay analysis	
15	Patterns and attributes of Overlay analysis	
16	Functional segment of GNSS	
17	Working principle of GNSS	
18	Basic principles of Position calculation for GNSS	
19	Application and Utility of GNSS	
20	Advantages of GNSS	