

## Baba Fateh Singh Ji Govt. College Assandh, (Karnal)

Department of Geography

Class: B.A. 4<sup>th</sup> sem Minor G.I.S. Theory and Practical

Session: 2024-2025

Sr. No.	Week	Topic		Topic
1	11 Feb-15 Feb Week-1	Geographical Information System (G.I.S): Definition, Historical Development.	Gr.1	Spatial Data input in GIS Format:- Scanning and Geo Referencing: Theory
2			Gr.2	
3	17 Feb-22 Feb Week-2	Significance of G.I.S	Gr.1	Spatial Data input in GIS Format:- Scanning and Geo Referencing: 1 Exercise
4			Gr.2	
5	24 Feb-1 March Week-3	Components of GIS- Hardware and Software.	Gr.1	Digitization and creation of Layers, Point ,Line and Polygon = Theory
6			Gr.2	
7	3 Mar-9 March Week-4	Data of GIS and Source of Data in GIS	Gr.1	Exercise of Point Symbols
8			Gr.2	
9	17 Mar-22 Mar Week-5	The Basis of GIS Mapping. Map Projections.	Gr.1	Exercise of Line Symbols
10			Gr.2	
11	24 Mar-29 Mar Week-6	Datum and Coordinate Systems	Gr.1	Exercise of Polygon Symbols
12			Gr.2	
13	1 Apr-5 Apr Week-7	GIS Data Type- Spatial Data.	Gr.1	Entry of Non-spatial attribute Data= Theory
14			Gr.2	
15	7 Apr-12 Apr Week-8	Non-Spatial Data and Data Source.	Gr.1	Entry of Non-spatial attribute Data= 01 Exercise
16			Gr.2	
17	14 Apr-19 Apr Week-9	Data Mode- Vector	Gr.1	Linking of Spatial and Non-Spatial data (labelling)=Theory
18			Gr.2	
19	21 Apr-26 Apr Week-10	Data Model- Raster	Gr.1	Linking of Spatial and Non-Spatial data (labelling)=01 Exercise
20			Gr.2	
21	28 Apr-3 May Week-11	Data Capture-Input, editing	Gr.1	Displayed of Data by choropleth method =Theory
22			Gr.2	
23	5 May-10 May Week-12	Data error correlation	Gr.1	Displayed of Data by choropleth method =01 Exercise
24			Gr.2	
25	12 May-17 May Week-13	Application of GIS in resource mapping	Gr.1	Making of Layout + 01 Exercise
26			Gr.2	
27	19 May-24 May Week-14	Application of GIS in monitoring	Gr.1	Written of Exercise
28			Gr.2	
29	26 May-31 May Week-15	Management of Resource in GIS	Gr.1	Written of Exercise
30			Gr.2	

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Subject Geog.*