

Govt. College for Girls, Padha Karnal

Department of Geography

B.A 3rd Year 6th Semester(Theory & Practical)

Lesson Plan

Sr.No		Chapter:-1 Introduction to Aerial Photographs: Their Advantages		Chapter:- Demarcation of Principal Elements on Aerial Photographs
1	Week 1	Introduction to Aerial Photographs	Group 1	Introduction And Meanings Fiducial Marks
2		Meaning and Definitions of Aerial Photograph		Exercise of Fiducial Marks
3		History of Aerial Photographs		
4		Development of Aerial Photographs in India		
5		Application of Aerial Photographs		
6		Advantages of Aerial Photographs		
7	Week 2	Types of Aerial Photographs	Group 1	Meaning of Principal Points
8		Geometry of Aerial Photographs		Exercise of Principal Points
9		Deference between Map and Aerial Photographs		
10		Scale of Aerial Photographs		
11		Methods of Aerial Photographs		
12		Satellite Imagery		
	Week 3	Chapter: Elements of Aerial Interpretation		
13		Introduction of Image Interpretation	Group 1	Conjugate Principal Point and Its Demarcation
14		Basic Principle of Aerial Image Interpretation		Exercise of Conjugate Principal Points
15		Factor Affecting quality of an Image		
16		Factor Affecting the Interpretation of Aerial Photographs		
17		Identification of Features in Aerial photos		
18	Method of Interpretation of Aerial Photographs			
19	Week-4	Chapter: Remote Sensing		
20		Introduction to Remote Sensing	Group 1	Introduction and Meaning of Flight line With Exercise
21		Meaning and Definition of Remote Sensing		
22		Fundamentals of Remote Sensing		
23		Stages of Remote Sensing		
24				

25	Week-5	Electromagnetic Spectrum	Group 1	Introduction and Meaning of Multi Flight Line
26		Types of Remote Sensing Satellites		Exercise of Multi Flight Line
27				
28		Sensors and sensing systems		
29		Assignment:- Remote Sensing		
30		Types of Scanner		
	Week-6			Chapter:- Scale of Aerial Photograph
31		Types of Resolution in Remote Sensing	Group 1	Introduction and Meaning of Scale with its Importance
32				
33		Interpretation of Physical and Cultural features		
34		Remote Sensing in India		
35		New Era in the Field of Remote Sensing		
36				
	Week7	Chapter:- Imageries and Their Application		
37		Introduction and Definition of Imageries	Group 1	Method of Representing Scale
38				
39		Types of Images		
40		Merits and Demerits of Images		
41		Classification of Images		
42		Application of Imageries		
	Week-8			
43		Environment and Resource mapping	Group 1	Scale of Aerial Photographs
44		Geological Mapping and Small Scale Mapping		Exercise of Scale
45		Hydrology and Oceanic Mapping		
46		Flood Zones and Delineation and Mapping		
47		Identification and Mapping of Forest Species		
48		Forest Fire Mapping		
	Week-9			Chapter:- Interpretation of Single Vertical Photograph
49		Application of Remote Sensing Forestry	Group 1	Interpretation of Single Vertical Photograph
50		Wetland Management		Exercise:- Interpretation of Single Vertical Photograph
		Chapter:- Geographical Information System		

55	Week-10	Introduction of Geographical Information System	Group 1	Use of Stereoscope in Aerial Photograph
56		Meaning and Definition of G.I.S		Exercise:- Stereoscope in Aerial Photograph
57		Data Base in G.I.S		
58		Source of Data in G.I.S		
59		Types of Data in G.I.S		
60		Concept of Space and Time in G.I.S		
61	Week-11	Objectives of G.I.S	Group 1	Purpose of Stereoscopic study
62		Planning and G.I.S		Fundamental of Human Stereoscropy
63		Elements of G.I.S		
64		Advantages of G.I.S		
65		Monitoring by Remote Sensing		
66		Analysis and Assessment by G.I.S		
	Week-12	Chapter:- Application of G.I.S		
67		Technological development in G.I.S	Group 1	Method of Stereoscope Viewing
68		Environmental and Resource Management		Types of Stereoscope
69		Facility Management and Street Network		
70		Engineering and Planning		
71				
72		Assignment:- G.I.S		
	Week-13			Chapter:- Identification of Features on IRS-ID Imagery
73		Land Information System, Agriculture and Forestry	Group 1	Identification of Features on IRS-ID Imagery
74		Geology, Hydrology and Geo-Morphology		Exercise of Identification of Features on IRS-ID Imagery
75		Oceanography and Climatology		
76		Disaster Management Land Use Mapping		
77		Transportation and Mapping		
78	Development of Tourism Information Site with the help of G.I.S			
		Chapter:- Measures of Central Tendencies: Mean, Median and Mode		Chapter:- Socio-Economic Survey and Report Writing
79		Introduction, Meaning and Definition of Central Tendencies	Group 1	Introduction, meaning and Importance of Socio-Economic Survey

80	Week-14	Objectives and Function of Central Tendencies		Planning of Field Work and Survey
81		Type of Statistical Average		
82		Calculation of Arithmetic mean, Merits and Demerits of Mean		
83		Meaning and Definition of Median		
84		Calculation of Median, Merits and Demerits of Median		
85	Week-15	Meaning and Definition of Mode	Group 1	Orientation of Map
86		Calculation, Merit and Demerit of Mode		Making sketch of Area
		Chapter:- Measures of Dispersion		
87		Introduction, Meaning and Definition of Dispersion		
88		Various methods of measuring dispersion, Range and Quartile Deviation		
89				
90				
	Week-16		Group 1	Method of Collecting Primary Data
91		Test:- Measure of Central Tendencies		Drafting of Questionnaire
92		Calculation of Mean Deviation		
93				
94		Calculation of Standard Deviation		
95		Lorenz Curve		
96		Location Quotient		
	Week-17		Group 1	Tabulation of Data
97		Introduction of Co-Efficient Variation		Analysis of Data with Conclusion
98		Calculation of Co-Efficient Variation		
99		Numerical Exercise of Mean		
100		Numerical Exercise of Median and Mode		
101		Numerical Exercise of Slandered Deviation		
102	Numerical Exercise of Co-Efficient Variation			