

Baba Fateh Singh Ji Govt College Assandh

Department of Geography

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

Lesson Plan(01 February 2023 to 26 May 2023)

Sr.No	Week	Topic		Topic
1		Theory	Groups	Practical
2	1 Feb - 4 Feb	Chapter:-1 Introduction to Aerial Photographs: Their Advantages		
3	Week 1	Introduction to Aerial Photographs	All Groups	Introduction And Meanings Fiducial Marks
4	Week 1	Meaning and Definitions of Aerial Photograph		Exercise of Fiducial Marks
6	Week 1	History of Aerial Photographs		
	Week 1	Development of Aerial Photographs in India		
	6 Feb - 11 Feb			
7	Week 2	Application of Aerial Photographs	Group 1	Meaning of Principal Points
8	Week 2	Advantages of Aerial Photographs		Exercise of Principal Points
9	Week 2	Types of Aerial Photographs	Group 2	Meaning of Principal Points
10	Week 2	Geometry of Aerial Photographs		Exercise of Principal Points
11	Week 2	Deference between Map and Aerial Photographs		
12	Week 2	Scale of Aerial Photographs		

	13 Feb - 18 Feb			
13	Week 3	Methods of Aerial Photographs	Group 1	Conjugate Principal Point and Its Demarcation
14	Week 3	Satellite Imagery		Exercise of Conjugate Principal Points
		Chapter: Elements of Aerial Interpretation		
15	Week 3	Introduction of Image Interpretation	Group 2	Conjugate Principal Point and Its Demarcation
16	Week 3	Basic Principle of Aerial Image Interpretation		Exercise of Conjugate Principal Points
17	Week 3	Factor Affecting quality of an Image		
18	Week 3	Factor Affecting the Interpretation of Aerial Photographs		
	20 Feb - 25 Feb			
19	Week-4	Identification of Features in Aerial photos	Group 1	Introduction and Meaning of Flight line
	Week-4	Method of Interpretation of Aerial Photographs		Exercise of Flight line
		Chapter: Remote Sensing		
21	Week-4	Introduction to Remote Sensing	Group 2	Introduction and Meaning of Flight line
22	Week-4	Meaning and Definition of Remote Sensing		Exercise of Flight line
23	Week-4	Fundamentals of Remote Sensing		
24	Week-4	Stages of Remote Sensing		
	27 Feb - 4 Mar			

25	Week-5	Electromagnetic Spectrum	Group 1	Introduction and Meaning of Multi Flight Line
26	Week-5	Types of Remote Sensing Satellites		Exercise of Multi Flight Line
27	Week-5	Sensors and sensing systems	Group 2	Introduction and Meaning of Multi Flight Line
		Assignment:- Remote Sensing		
28	Week-5	Types of Scanner		Exercise of Multi Flight Line
29	Week-5	Types of Resolution in Remote Sensing		
30	Week-5	Interpretation of Physical and Cultural features		
	13 Mar - 18 Mar			
31	Week-6	Remote Sensing in India	Group 1	Introduction and Meaning of Scale with its Importance
	Week-6	Assignment:- Remote Sensing		Introduction and Meaning of Scale
32		Chapter:- Imageries and Their Application	Group 2	Introduction and Meaning of Scale with its Importance
33	Week-6	New Era in the Field of Remote Sensing		Introduction and Meaning of Scale
		Chapter:- Imageries and Their Application		
34	Week-6	Introduction and Definition of Imageries		
35	Week-6	Types of Images		
34	Week-6	Merits and Demerits of Images		
	20 Mar - 25 Mar			
35	Week7	Classification of Images	Group 1	Method of Representing Scale
36	Week7	Application of Imageries		Types of Scale

37	Week7	Environment and Resource mapping	Group 2	Method of Representing Scale
38	Week7	Geological Mapping and Small Scale Mapping		Types of Scale
39	Week7	Hydrology and Oceanic Mapping		
40	Week7	Flood Zones and Delineation and Mapping		
	27 Mar - 01 Apr			
41	Week-8	Identification and Mapping of Forest Species	Group 1	Scale of Aerial Photographs
42	Week-8	Forest Fire Mapping		Exercise of Scale
43	Week-8	Application of Remote Sensing Forestry	Group 2	Scale of Aerial Photographs
44	Week-8	Wetland Management		Exercise of Scale
		Chapter:- Geographical Information System		
45	Week-8	Introduction of Geographical Information System		
46	Week-8	Meaning and Definition of G.I.S		
	3 Apr - 8 Apr			
47	Week-9	Data Base in G.I.S	Group 1	Interpretation of Single Vertical Photograph
48	Week-9	Source of Data in G.I.S		Exercise:- Interpretation of Single Vertical Photograph
49	Week-9	Types of Data in G.I.S	Group 2	Interpretation of Single Vertical Photograph

50	Week-9	Concept of Space and Time in G.I.S	Group 4	Exercise:- Interpretation of Single Vertical Photograph
51	Week-9	Objectives of G.I.S		
52	Week-9	Planning and G.I.S		
	10 Apr - 15 Apr			
53	Week-10	Elements of G.I.S	Group 1	Use of Stereoscope in Aerial Photograph
54	Week-10	Advantages of G.I.S		Exercise:- Stereoscope in Aerial Photograph
55	Week-10	Monitoring by Remote Sensing	Group 2	Use of Stereoscope in Aerial Photograph
56	Week-10	Analysis and Assessment by G.I.S		Exercise:- Stereoscope in Aerial Photograph
		Chapter:- Application of G.I.S		
57	Week-10	Technological development in G.I.S		
58	Week-10	Environmental and Resource Management		
	17 Apr - 22 Apr			
59	Week-11	Facility Management and Street Network	Group 1	Purpose of Stereoscopic study
60	Week-11	Engineering and Planning		Fundamental of Human Stereoscopy
61	Week-11	Shaheedi Divas Holiday	Group 2	Purpose of Stereoscopic study
62	Week-11	Assignment:- G.I.S		Fundamental of Human Stereoscopy

63	Week-11	Land Information System, Agriculture and Forestry		
64	Week-11	Geology, Hydrology and Geo-Morphology		
	24 Apr - 29 Apr			
65	Week-12	Oceanography and Climatology	Group 1	Use of Stereoscope in Aerial Photograph
66	Week-12	Disaster Management Land Use Mapping		Exercise:- Stereoscope in Aerial Photograph
		Chapter:- Measures of Central Tendencies: Mean, Median and Mode		
67	Week-12	Introduction, Meaning and Definition of Central Tendencies	Group 2	Use of Stereoscope in Aerial Photograph
68	Week-12	Objectives and Function of Central Tendencies		Exercise:- Stereoscope in Aerial Photograph
69	Week-12	Type of Statistical Average		
70	Week-12	Calculation of Arithmetic mean, Merits and Demerits of Mean		
	24 Apr - 29 Apr			
71	Week-13	Meaning and Definition of Median	Group 1	Method of Stereoscope Viewing
72	Week-13	Calculation of Median, Merits and Demerits of Median		Types of Stereoscope
73	Week-13	Meaning and Definition of Mode	Group 2	Purpose of Stereoscopic study
74	Week-13	Calculation, Merit and Demerit of Mode		Fundamental of Human Stereoscopy and Purpose of Stereoscopic study and Fundamental of Human Stereoscopy
		Chapter:- Measures of Dispersion		

75	Week-13	Introduction, Meaning and Definition of Dispersion		
76	Week-13	Various methods of measuring dispersion, Range and Quartile Deviation		
	01 May - 06 May			
77	Week-14	Test:- Measure of Central Tendencies	Group 1	Identification of Features on IRS-ID Imagery
78	Week-14	Calculation of Mean Deviation		Exercise of Identification of Features on IRS-ID Imagery
79	Week-14	Calculation of Standard Deviation	Group 2	Method of Stereoscope Viewing and Types of Stereoscope
80	Week-14	Lorenz Curve		Identification of Features on IRS-ID Imagery with exercise
81	Week-14	Location Quotient		
82	Week-14	Introduction of Co-Efficient Variation		
	08 May - 13 May			
83	Week-15	Calculation of Co-Efficient Variation	Group 1	Method of Stereoscope Viewing and Types of Stereoscope
84	Week-15	Numerical Exercise of Mean		Identification of Features on IRS-ID Imagery with exercise
85	Week-15	Numerical Exercise of Median and Mode	Group 2	Introduction, meaning and Importance of Socio-Economic Survey
86	Week-15	Numerical Exercise of Standard Deviation		Planning of Field Work and Survey
87	Week-15	Numerical Exercise of Co-Efficient Variation		
88	Week-15	Revision		

	15 May - 20 May			Chapter:- Plane Table Survey
89	Week-16	Revision Unit 1	Group 1	Orientation of Map
90	Week-16	Revision Unit 1		Making sketch of Area
91	Week-16	Test:- Unit 1	Group 2	Drafting of Questionnaire
92	Week-16	Revision Unit 2		Method of Collecting Primary Data and Drafting of Questionnaire
93	Week-16	Revision Unit 2		
94	Week-16	Test:- Unit 2		
	22 May - 26 May			
95	Week-17	Revision Unit 3	Group 1	Orientation of Map and Making sketch of Area
96	Week-17	Revision Unit 3		Method of Collecting Primary Data and Drafting of Questionnaire
97	Week-17	Test:- Unit 3	Group 2	Tabulation of Data
98	Week-17	Revision Unit 4		Analysis of Data with Conclusion
99	Week-17	Revision Unit 4		
100	Week-17	Test:- Unit 4		