

Schedule of Teaching
Department of Geography

A.B.V. Govt. College Sunni
Distt. Shimla (H.P.)

Class: BA First Year
Course: DSE-1&2
Title:1. Physical Geography (GEOGP- 101)
2. General Cartography (GEOGP-102)
Lectures per Week: 6 (1-Tutorial per week)

S. No.	Topic	Week	Month
1.	Meaning and Definition of Geography/Nature and scope of geography	First Week	July
2.	Major branch of Physical Geography	Second Week	
3.	Understanding our universe, origin of the universe	Third Week	
4.	Origin and evolution of the solar system (brief introduction of solar system)	Fourth week	
5.	Definition of Cartography, Meaning of cartography	First Week	August
6.	Class Test	Second Week	
7.	Nature of Cartography/ Scope of Cartography	Third week	
8.	History of Cartography / Definition of Map	Fourth week	
9.	Classification of map and significance of map	First Week	September
10.	Theories related to origin of earth : Tidal Theory of Jeans and Jeffery / Big Bang Theory	Second Week	
11.	Define Rocks: classification and their characteristics	Third Week	
12.	Understanding Earth's interior, sources/ structure	Fourth Week	
13.	Evolution of the Crust (Plate) and related concepts plate tectonic theory	First Week	October
14.	Class Test / quiz/ presentations	Second Week	
15.	Scale: Definition/ Necessity and importance of Scale	Third Week	
16.	Types of Scale: three exercises in practical record each on Plain, Comparative and Diagonal Scale	Fourth Week	
17.	Definition of Weathering, Factors, it's types & it's significance	First Week	November
18.	Evolution of Earth's Atmosphere/ Structure and composition of Atmosphere, Heat balance	Second Week	

19.	Nature of Atmospheric Pressure, vertical and horizontal distribution of pressure	Third Week	
20.	The Nature of Wind, types of wind systems, Upper Air Circulation, types of Jet Streams	Fourth Week	
21.	Origin of Monsoon, Origin of Tropical cyclone, climate classification (Koppen)	First Week	December
22.	Meaning and Definition of Map Projection/ Criteria for Choice of Projection	Second Week	
23.	MTT	Third Week	
24.	MTT	Fourth Week	
25.	Attributes and properties of Zenithal Gnomonic polar case projection, Zenithal Stereographic Polar case	Second Week	February
26.	Cylindrical Equal Area projection, Mercator's Projection and Conical Projection with Two Standard Parallel	Third Week	
27.	Representation of Data: Line Graph, Bar Diagram sand Isopleth	Fourth Week	
28.	Choropleth Maps, Dot Method Climograph and Hythergraph	First Week	March
29.	Hydrological Cycle The ocean and it's properties (ocean Relief Features) Pacific Ocean	Second Week	
30.	Ocean Movements : Waves, Tides, and Currents	Third Week	
31.	Revision	Fourth Week	

Class: BA Second Year

Course: DSE-1&2

Title :1. Human Geography(GEOGP-201)

2. Environmental Geography (GEOGO-202)

Lectures per Week: 6 (1-Tutorial per Week)

S. No.	Topic	Week	Month
1.	Introduction of Human Geography/Meaning & Definition of Humans Geography	First Week	July
2.	Nature of Human Geography/ Major Subfields of Human Geography	Second Week	
3.	Contemporary Relevance of Human Geography	Third Week	
4.	Definition of Environment Geography / Scope of Environmental Geography	Fourth Week	
5.	Meaning / Nature and Components of Environment	First Week	August

6.	Ecosystem : Concept, Components and Functions	Second Week	
7.	World Population Distribution, Density and Growth	Third Week	
8.	Demographic Transition Theory	Fourth Week	
9.	Human- Environment Relationship: Environmental Determinism, Possibilism	First Week	September
10.	Neo Determinism , Biomes- Definition/ Meaning Mountain and Desert regions Biomes	Second Week	
11.	Space and Society: Definition of Human Races: Classification (Griffith Taylor) and world distribution	Third Week	
12.	Revision / test	Fourth Week	
13.	Definition of Religion Major Religions of the world and their distribution	First Week	October
14.	Definition of Language, Major languages of the world and their distribution	Second Week	
15.	Environmental Problems: Air and Water Pollution their cause, impacts and management	Third Week	
16.	Class Test / quiz/ presentations	Fourth Week	
17.	Definition of Bio Diversity, level of Biodiversity, loss of Biodiversity , conservation of biodiversity	First Week	November
18.	Definition of Settlement, Types of Settlement / revision	Second Week	
19.	Types and Pattern of Rural Settlements	Third Week	
20.	Revision	Fourth Week	
21.	Types and Pattern of Urban Settlements	First Week	December
22.	Revision	Second Week	
23.	MTT	Third Week	
24.	MTT	Fourth Week	
25.	Trends and Pattern of World Urbanization	Second Week	February
26.	Environmental Management initiatives in India	Third Week	
27.	Environmental protection Act 1986 ,	Fourth Week	
28.	Environmental policy of India (2006)	First Week	March
29.	Discuss all movements (Chipko Movement)	Second Week	
30.	Revision	Third Week	
31.	Revision	Fourth Week	

Class: BA Second Year

Course: SEC-1&2

Title: 1. Regional Planning and Development(GEOGP-203)

2. Remote Sensing and GPS (GEOGP-204) (SEC)

Lectures per Week: 3 (1-Tutorial per Week)

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S.No.	Topic	Week	Month
1.	Definition of Region/ meaning of Region / concept	First Week	July
2.	Need of Region / Types of Regional Planning	Second Week	
3.	Characteristics of Regional Planning/ Delineation of Planning Region	Third Week	
4.	Definition of Remote Sensing/ meaning of Remote Sensing	Fourth Week	
5.	Class Test	First Week	August
6.	Historical Development of Remote Sensing , Platform of Remote Sensing, Types of Remote sensing	Second Week	
7.	Concept of Regionalization / meaning of Regionalization	Third Week	
8.	Hill Region : case study of Himachal Pradesh (Physical and Cultural aspects)	Fourth Week	
9.	Definition of Aerial Photography / Meaning of Aerial photography, Principles of Aerial photography	First Week	
10.	Types of Aerial photography/ Geometry of aerial photography	Second Week	
11.	Revision	Third Week	
12.	Class Test / presentations/ quiz	Fourth Week	
13.	Models for Regional planning Growth /Pole Theory	First Week	
14.	Models for Regional Planning/ Core Periphery Model	Second Week	
15.	Satellite Remote Sensing Definition/ meaning/ Principles	Third Week	
16.	Revision	Fourth Week	

17.	EMR Meaning/ concept/ definition interaction with Atmosphere	First Week	November
18.	EMR interaction with Earth Surface	Second Week	
19.	Satellite Remote Sensing (Landsat) history of launching Satellite	Third Week	
20.	Class Test	Fourth Week	
21.	Satellite Remote Sensing (IRS) Remote Sensor and their Types	First Week	
22.	Revision	Second Week	
23.	MTT	Third Week	
24.	MTT	Fourth Week	
25.	Regional Development Initiatives: Integrated Tribal Development Programme (ITDP)	Second Week	
26.	Damodar Valley Corporation (DVC)	Third Week	
27.	Bases of visual interpretation of Remote Sensing Images Land use/ Land cover	Fourth Week	
28.	Difference between Aerial Photography and Satellite Imageries	First Week	
29.	Definition / fundamental of Global Positioning System (GPS) principles and uses	Second Week	
30.	Revision	Third Week	
31.	Revision	Fourth Week	

Class: BA Third Year

Course: SEC-1&2

Title: 1. Geographic Information System (Practical) (GEOGP301)

2.Field Techniques Survey Based Project Report (Practical)(GEOGP302)

Lectures per Week: 3 (1-Tutorial per Week)

S. No.	Topic	Week	Month
1.	Definition and Meaning of GIS, Scope/ application of GIS	First Week	July
2.	Historical Development of Geographic Information System (GIS)	Second Week	
3.	Components of Geographic Information System	Third Week	
4.	Meaning/ Definition of Field Work in Geographical Studies	Fourth Week	
5.	Role, Value and Ethics of Field- work in Geography	First Week	August
6.	Defining the Field and Identifying the case study – Rural/ Urban/ Physical/ Human/ Environmental	Second Week	
7.	Class Test / Revision	Third Week	
8.	Data Types : GIS Data Structure; meaning/ Definition of GIS Data	Fourth Week	
9.	Spatial Data and Non Spatial data structure in GIS	First Week	September
10.	Raster Data and Vector Data Structure in GIS	Second Week	
11.	Merits , Demerits and Selection of the Appropriate Field Technique in Geography	Third Week	
12.	Meaning/ Definition of Observation (Participants/ Non participants) merit and demerits	Fourth Week	
13.	Spatial Referencing System: concept / meaning/ definition of Georeferencing	First Week	October
14.	Editing and attribute data integration	Second Week	
15.	Meaning/ Definition of Questionnaire (Open/ Closed/ Structured/ Non – Structured)	Third Week	
16.	Quiz / presentations/ class test	Fourth Week	
17.	Interview/ Schedule (special focus on Focused Group Discussion	First Week	November
18.	Space Survey (Transects and Quadrants, constructing a Sketch)	Second Week	
19.	Designing the Field Report meaning/ definition of field report	Third Week	

20.	Aims and objectives, methodology of field report	Fourth Week	
21.	Briefly discuss the : Analysis, interpretation and writing the report	First Week	December
22.	Revision	Second Week	
23.	MTT	Third Week	
24.	MTT	Fourth Week	
25.	Field trip	Second Week	February
26.	Each student prepare an individual field work report based on primary and secondary data collected during the field work	Third Week	
27.	Revision	Fourth Week	
28.	GIS based Exercises: Georeferencing, Subsetting	First Week	March
29.	Extraction of Land use / Land Cover layers of any area and thematic mapping	Second Week	
30.	Revision	Third Week	
31.	Revision	Fourth Week	

Class: BA Third Year

Course: DSE-1&2

Title: 1.Geography of India (GEOGP303 (1 DSE)

2. Disaster Management (FGEOGP304 (1 DSE)

Lectures per Week: 6 (1-Tutorial per Week)

S.No.	Topic	Week	Month
1.	Physical Location/ Extend of India, Geological History of India	First Week	July
2.	Major Physiographic region of India	Second Week	
3.	Weather and Climate Meaning/ definition/ factors affecting Indian Climate	Third Week	
4.	Characteristics of Indian Climate/ soils of India	Fourth Week	
5.	Definition/ Meaning of Disaster management types of Disaster	First Week	August
6.	Class Test	Second Week	
7.	Difference between Disaster and Hazard with example/ Disaster management Cycle	Third Week	
8.	Risk : meaning/ definition /types	Fourth Week	

9.	Vulnerability: meaning/ Definition / types of Vulnerability	First Week	September
10.	Population: Size and Growth of Indian Population Since 1901	Second Week	
11.	Population Distribution and Population Density (India)	Third Week	
12.	Literacy Rate/ Sex Ratio : meaning/ Definition / in context of India	Fourth Week	
13.	Class Test	First Week	October
14.	Landslide Disaster : meaning/ definition/Causes, Impacts and Distribution in India	Second Week	
15.	Earthquake/ Cyclone Disaster: meaning/ definition/ causes/ impacts/ distribution in India	Third Week	
16.	Forest Fire: meaning/ definition / causes/ impacts/ distribution in India	Fourth Week	
17.	Road Accident Disaster: meaning/ definition/ causes/ impacts/ distributions in India	First Week	
18.	Settlement System: meaning/ definition of Settlement, Rural Settlement Types and Pattern	Second Week	
19.	Urban Settlement : meaning/ definition types and pattern of Urban Settlements	Third Week	
20.	Resources base: Power (Coal and Hydroelectricity) in India and Distribution	Fourth Week	
21.	Revision	First Week	
22.	Class Test	Second Week	
23.	MTT	Third Week	
24.	MTT	Fourth Week	
25.	Mineral in India and distribution (Iron Ore & Bauxite)	Second Week	February
26.	Economy – Agriculture in India (Rice / Wheat) and distribution	Third Week	
27.	Industries in India and distribution (Cotton Textile & Iron- Steel)	Fourth Week	
28.	Response and Mitigation to Disaster: Mitigation and Preparedness	First Week	March
29.	NDMA and NIDM discussed in details	Second Week	
30.	Community Based Disaster Management/ Do's and Don'ts During Disaster	Third Week	
31.	Revision	Fourth Week	

Course: Generic Elective-1&2

Title: 1. Disaster Risk and Reduction (GEOGP 305-GE1)

2. Sustainability and Development(GEOGP 306-GE2)

Lectures per Week: 6 (1-Tutorial per Week)

S.No.	Topic	Week	Month
1.	Meaning/ Definition of Disaster types of disaster	First Week	July
2.	Difference between Disaster and Hazard	Second Week	

3.	Meaning/ Definition of Risk types of Risk	Third Week	
4.	Vulnerability : meaning/ Definition of vulnerability Types of Vulnerability	Fourth Week	
5.	Introduction of Sustainability: meaning/ definition of Sustainability	First Week	August
6.	Components of Sustainability	Second Week	
7.	The Millennium Development Goals : discussed in details	Third Week	
8.	Sustainable development Goals : discussed in details	Fourth Week	
9.	National Strategies/ international Experience for Sustainable Development in India	First Week	September
10.	Importance and needs of Sustainable Development in Indian Context	Second Week	
11.		Third Week	
12.	Role of Higher Education in Achieving Sustainability	Fourth Week	
13.	Class Test	First Week	October
14.	Role of Health in sustainable development	Second Week	
15.	Polices and Global Cooperation for Climate Change	Third Week	
16.	Flood and Flash Flood Disaster : Causes, Impacts and Distribution in India	Fourth Week	
17.	Earthquake/ Cyclone Disaster : meaning/ Definition/ causes, impacts and distribution in India	First Week	November
18.	Human induced Disaster: Road Accident/ causes , impacts and distribution	Second Week	

19.	Forest Fire Disaster: meaning/ definition, cause, impacts and distribution	Third Week	
20.	Revision	Fourth Week	
21.	Revision	First Week	December
22.	Class Test	Second Week	
23.	MTT	Third Week	
24.	MTT	Fourth Week	
25.	Sustainable Development Policies and Programmes: Rio+20	Second Week	February
26.	Financing for Sustainable Development; National Environmental Policy	Third Week	
27.	Disaster management Cycle: Mitigation and Preparedness	Fourth Week	
28.	NDMA and NIDM	First Week	March
29.	Community Based Disaster Management,/ Do's and don'ts during Disaster	Second Week	
30.	Revision	Third Week	
31.	Revision	Fourth Week	