

||Jai Sri Gurudev||

Sri Adichunchanagiri First Grade College

Channarayapatna

DEPARTMENT OF GEOGRAPHY

LESSON PLAN 2023-24

CHETHANA D S
ASST PROF

Chapters	Allocation of topics	Month	No of Hours
II	Internal structure of the earth Alfred Wegener's continental drift Theory of Isostasy: Views of Pratt and Airy Convectional current theory and concept of sea floor spreading Theory of Plate Tectonics: plate boundaries, subduction, Case Studies: Volcano, Earthquake: reporting of latest incidents Case Studies: Volcano, Earthquake: reporting of latest incidents	SEP	14
III	Earth's Movements: Endogenetic and Exogenetic forces, Sudden and Diastrophic movements- Epeirogenetic and Orogenetic Movements-Process of folding and faulting Vulcanicity and earthquake Rocks: Characteristics, types, importance, and rock cycle Weathering: meaning, types and controlling factors Mass Movement: meaning, controlling factors, types-landslides, rock-falls	OCT\NOV	14

GEOGDSC P1.1 Geomorphology Practical

Content of Practical Course 1: List of Experiments to be conducted

Exercise-1: Identification of Rocks and Minerals. Mineral samples: Iron ore, Bauxite ore and Manganese. Rock Samples: Granite, Basalt, Lime Stones, Sandstone, quartzite, and marble.	SEP	10
Exercise-2: Extraction and interpretation of Geomorphic information from Topographical maps	OCT	10
Exercise-3: Preparation of contour map from toposheet, Construction of Relief Profiles-serial, Super imposed, Projected & Composite.	OCT\NOV	10
Exercise-4: Slope Analysis - Slope Maps (Wentworth method) Slope calculation and conversion (isotan and isosin) and aspect maps & Hypsometric curve and integral	NOV	10
Exercise-5: Drainage Morphometry: delineation of watershed, stream	DEC	8

ordering and Morphometric analysis: mean stream length, drainage density and drainage frequency.		
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B.A. / BSc Semester I

Title of the Course: GEOGOE T1.1 - 1.Introduction to Physical Geography

Chapters	Allocation of topics	Month	No of Hours
I	Origin, Shape and Size of the Earth, Movement of the Earth- Rotation and Revolution, Effects of the movement of Earth,Coordinates -Latitude, Longitude and Time. Structure of the Earth,	SEP	11
II	Rocks - types,significance, Weathering – types. Agents of Denudation - River, Glacier, Wind and Under Ground water. Volcanicity, Earthquakes and Tsunamis	SEP\OCT	11
III	Structure and Composition of Atmosphere, Weather and Climate. Atmospheric Temperature, Heat Budget of the atmosphere Atmospheric Pressure, Winds and Precipitation	OCT\NOV	11
IV	Distribution of Land and Sea, Submarine Relief of the Ocean, Temperature and Salinity of Sea Water. Ocean Tides, Waves and Deposits, Ocean currents - Atlantic, Pacific and Indian Oceans. Marine Resources: Biotic, mineral and energy resources	NOV\DEC	12

B.A. / B.Sc. (Geography) Degree (Basic / Honours) Scheme & Syllabus - NEP-2022-23 Second Year

Title of the Course: Fundamentals of Human Geography CODE:

DSC T 3.1

Chapters	Allocation of topics	Month	No of Hours
III	3.1 Distribution and Growth of Population; Factors affecting population Distribution. 3.2 Density of Population: Meaning and Types; Arithmetic Density, Physiological Density and Agricultural density, Regional Distribution of Density of Population; Carrying capacity and Sustainability, 3.3 Concept of Settlements, Origin and evolution of Human settlements, Factors of settlements, origin and distribution, types and pattern of settlements, 3.4 Rural and Urban settlements, Trends and Patterns of World Urbanization. Field Activity: Students should study and identify the factors influencing on the origin and growth of the settlement and each student is expected to identify patterns of	SEP/OCT	14

	settlements by visiting nearest settlement. The students are advised to carry topographical map of the place during field visit.		
IV	4.1 Concept and Classification of Economic activities; Factors affecting Economic Activities. 4.2 Primary Economic Activities – Agriculture, Types: Primitive Subsistence, Intensive Subsistence, Plantation Agriculture, Extensive Commercial grain Cultivation, Mixed Farming, Dairy Farming. 4.3 Secondary Activities: Manufacturing, Classification – 1. Based on size – Small Scale and Large scale. 2. Based on Raw Material – Agro-based, Mineral based, Chemical Based and Forest based. Industrial Regions of the world. 4.4 Tertiary Activities: Types: Trade and Commerce, Retail Trading Services, Wholesale Trading. Transport and communications: Factors, Communication Services – Telecommunication. Services: Informal and Non formal sector. Information technology and service. Case Study: Students have to visit a village/a town nearby and observe the economic activities and understand different classes and identify the most dominant economic activities..	OCT\NOV	14

B.A./ B.Sc. honours Programme Semester III

**Title of the Course: Fundamental Techniques in Human Geography, CODE:
DSC P 3.1**

Exercise 1	Maps: Definition, Elements of map: scale, direction, map projection, conventional signs and symbols, legend, Types of map: 1. Based on scale: A. large scale: cadastral maps, Topographic maps, B. Small scale: wall maps, atlas maps, maps 2. Based on purpose and content: Physical Maps, Political Maps, Thematic Maps. Uses of Maps.	SEP	8
Exercise 2	Map Scales: Definition of Scale, Methods of representing Scales: Statement Method, Graphical Method, Ratio Method (R F).	OCT	8
Exercise 3	Conversion of Scale: Verbal to RF, RF to Verbal, Verbal to Graphical. Exercises on Measuring Distances on Map and converting map distance to ground distance	OCT	8
Exercise 4&5	Map Projections: Meaning and Purpose, Latitudes and Longitudes, Classification of Map Projections and their general properties: Conical Projections, Cylindrical Projections, Zenithal Projections. UTM Projections. Choice of Map Projection.	NOV	8
Exercise 6	Drawing of conical projection with One Std. Parallel and Two Std. Parallels	NOV\DEC	8

B.A. /B.Sc. Honors Programme III Semester (Open Elective)**Title of the Paper: Geography of India Code:OE3.1**

Chapters	Allocation of topics	Month	No of Hours
I	1.1 Location, Size and Extent, Political Divisions 1.2 Relief Features-Northern Mountains, Northern Great Plain, The Peninsular Plateau and Coastal Plain and Islands 1.3 Climate: Seasons – Summer Season, South-West Monsoon, Retreating Monsoon Season, Winter Season, 1.4 Drainage system- Rivers of North India, Rivers of South India, 1.5 Vegetation - Types and Distribution- Afforestation programs	SEP	12
II	2.1 Irrigation: Need for Irrigation and Types 2.2 Agriculture: Significance and Types- Intensive and Extensive Farming, Subsistence and Mixed Farming 2.3 Major Crops- Production and Distribution : Rice, Wheat Cotton , Sugar cane and Tea 2.4 Development of Agriculture- Green Revolution	OCT	10
III	3.1 Mineral and Power Resources-Types and Significance 3.2 Production and Distribution: Iron Ore, Manganese 3.3 Production and Distribution: Coal, Petroleum, Hydro Electricity 3.4 Major industries- Iron and Steel, Cotton textile, Sugar. 3.5 Major industrial regions of India 3.6 Special Economic Zones	NOV	10
IV	4.1 Roadways, Railways, Airways Waterways. 4.2 Important Ports: Calcutta, Chennai, Mumbai and New Mangalore. 4.3 Indian Space Programme. 4.4 Growth of Population 4.5 Distribution and Density of Population 4.6 Population Composition – Sex Ratio, Literacy 4.7 Problems of Population	NOV\DEC	10