

Lesson Plan
CMG GCW Bhodia Khera, Fatehabad
Name of Assistant Professor: Mahender Pal
Class B.A. 1st (1st Sem) Session 2023-24
Subject: Geography

Date	Theory	Practical
August 2023	CHAPTER 1- भारत स्थिति: अक्षांशीय व देशांतरीय विस्तार एवम् आकार, भारत और उसके पड़ोसी देश, मानक समय	मानचित्र कला परिचय
	CHAPTER - 2 COMPOSTION AND STRUCTURE OF THE ATMOSPHERE : धरातलीय संरचना: प्रायद्वीपीय खंड- इसका उप विभाजन, हिमालय और प्रायद्वीपीय पर्वतमालाएं, सिंधु गंगा ब्रह्मपुत्र मैदान, भारतीय मरुस्थल, तटीय मैदान, दीप समूह	मानचित्रों के प्रकार: मापक के अनुसार
	CHAPTER 3 - अपवाह तंत्र: अपवाह द्रोणी और जल विभाजक अपवाह प्रतिरूप हिमालय अपवाह तंत्र और इसकी प्रमुख नदियां प्रायद्वीपीय अपवाह तंत्र और इसकी प्रमुख नदियां जलवायु	मानचित्रों के प्रकार: लक्षणों के अनुसार, रचना के अनुसार
	CHAPTER 4 - जलवायु: मॉनसून जलवायु में एकरूपता और विविधता, भारत की जलवायु को प्रभावित करने वाले कारक, मानसून की प्रकृति, ऋतु चक्र, भारत के जलवायु प्रदेशों का वर्गीकरण, भूमंडलीय तापमान	हय्सोमेट्रिक मैप्स पलेनोमेट्रिक मैप्स
	CHAPTER 5 - मृदा: मृदा का वर्गीकरण, मृदा अवकर्षण, मृदा अपरदन, मृदा संरक्षण	मानचित्र मापक: परिभाषा व मापक की आवश्यकता
September 2023	CHAPTER 6 - प्राकृतिक वनस्पति: वनों के प्रकार, भारत में वन आवरण, वन संरक्षण, सामाजिक वानिकी और फार्म वानिकी, जीव मंडल निश्चय	मापक को दर्शाने की विधिया
	CHAPTER 7 - प्राकृतिक संकट तथा आपदाएं: आपदा, भारत में प्राकृतिक आपदाएं- बाढ़, भूकंप, सुनामी, चक्रवात व सुखा, आपदाओं के परिणाम और उनका प्रबंधन कैसे करें	कथानात्मक मापक
	CHAPTER 8- जनसंख्या वितरण, घनत्व, वृद्धि संगठन: जनगणना, लिंगानुपात, जनसंख्या के वितरण को प्रभावित करने वाले कारक, जनसंख्या प्रतिरूप, जनसंख्या वृद्धि, जनसंख्या वृद्धि में क्षेत्रीय अंतर, धार्मिक व भाषाई संघटन	पारदर्शक भिन्न
	CHAPTER 9-प्रवास:प्रवास की मूलभूत संकल्पना, प्रवास जनसंख्या के पुन वितरण का कारक, अंतर्राष्ट्रीय प्रवास, भारतीय डायस्पोरा, प्रवास में स्थानिक विभिन्नता, प्रवास के कारण और परिणाम	शैक्षिक मापक मापक का रूपांतरण
	CHAPTER 10 - मानवीय बस्तियां एवं नगरीकरण का स्तर:	प्लेन स्केल

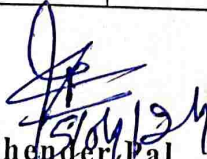
	बस्तियों के प्रकार, ग्रामीण बस्तियों के प्रतिरूप, ग्रामीण बस्तियों को निर्धारित करने वाले कारक, भारत में नगरों का विकास, नगरों का वर्गीकरण, भारत में नगरीकरण की अवस्थाएं	
October 2023	CHAPTER 11 - भूमि संसाधन: भूमि उपयोग, भूमि उपयोग वर्गीकरण, भारत में भूमि उपयोग का परिवर्तन, भू संसाधनों का किसानों के लिए महत्व	तुलनात्मक मापक
	CHAPTER 12 - सिंचाई: सिंचाई आवश्यकता, सिंचाई के लिए अनुकूल दशाएं, भारत में सिंचाई के साधन, वर्षा जल संग्रहण	टाइम स्केल
	CHAPTER 13 - फसल प्रतिरूपण: भारत में फसल ऋतुएं देश में विभिन्न फसलों का उत्पादन व वितरण	परिक्रमण स्केल
	CHAPTER 14 - हरित क्रांति: भारत में हरित क्रांति, हरित क्रांति की मुख्य विशेषताएं, हरित क्रांति के प्रभाव, हरित क्रांति के दोष, हरित क्रांति के स्थायित्व के लिए सुझाव	पेस सकले
	CHAPTER 15 - भारतीय कृषि की समस्याएं: इकनोमिक, संस्थागत व प्रधोगीकय समस्याएं	डायगोनल स्केल
November 2023	CHAPTER 16 - खनिज व ऊर्जा संसाधन: खनिज संसाधनों के प्रकार, देश में खनिज संसाधनों का उत्पादन व वितरण, देश में ऊर्जा संसाधनों का उत्पादन व वितरण	मानचित्र पर दुरिया मापना
	CHAPTER 17 - विनिर्माण उद्योग: उद्योगों के प्रकार, उद्योगों की स्थिति और उनको प्रभावित करने वाले कारक, लोहा इस्पात उद्योग, सूती वस्त्र उद्योग, चीनी उद्योग, पेट्रो रसायन उद्योग, भारत के औद्योगिक प्रदेश	मानचित्रों का विवर्धन
	CHAPTER 18 - परिवहन व संचार परिवहन तंत्र का महत्व: स्थल परिवहन- सड़क व रेल मार्ग, जलमार्ग, वायुमार्ग, स्वर्णिम चतुर्भुज परियोजना, पूर्वपश्चिम व उत्तर-दक्षिण गलियारा, पाइपलाइन	मानचित्रों का लघुकरण
	CHAPTER 19 - अंतरराष्ट्रीय व्यापार: अंतर्राष्ट्रीय व्यापार का बदलता स्वरूप, आयात-निर्यात, भारत का आयात-निर्यात संघटन, समुद्री पतन अंतर्राष्ट्रीय व्यापार का प्रवेश द्वार, पतनों का वर्गीकरण, भारतीय विदेशी व्यापार की विशेषताएं	रविजन

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Lesson Plan
CMG GCW Bhodia Khera, Fatehabad
Name of Assistant Professor: Mahender Pal
Class B.A. 1st (2nd Sem) Session 2023-24
Subject: Geography

Months	Theory	Practical
January 2024	Definition, Nature, and scope	Introduction to Topographical Sheets
	Fields of Physical Geography.	India and adjacent countries
	Relationship of other branches, Rocks.	Half Degree Sheet Quarter Degree Sheet
	Interior of the earth, Geological time scale, Assignment 1st	Conventional Signs
February 2024		Methods of representing relief
	Earth movements; organic, epeirogenetic, earth quakes and volcanoes.	Representation of Topographical features by contours.
	Plate tectonic theory. Minor Test -1	Slopes (Concave, convex, undulating and terraced) Valleys (V Shaped, U shaped, Gorge, Re-entrant)
	Theory of Isostasy Wegner's theory of continental drift	Ridges (Conical hill, Volcanic hill, Plateau, Escarpment)
March 2024	Weathering; causes and its types.	Complex features (waterfall, sea cliff, overhanging cliff, Fiord cost
	Concept of cycle of erosion; cycle of erosion by W.M. Davis Assignment 2nd	Drawing of Profiles Cross Profiles: Serial, superimposed, projected
	Mass-movements; causes, its types and impacts.	Composite profiles.
	Process of Wind, River,	Longitudinal profiles
April 2024	Underground water	Serial Profile
	Glaciers and Sea waves.	Viva Practice


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CMG GCW Bhodia Khera, Fatehabad
Name of Assistant Professor: Mahender Pal
Class B.A. 2nd (3rd Sem) Session 2023-24
Subject: Geography

Date	Theory	Practical
August 2023	CHAPTER- 1 WEATHER AND CLIMATE: Meaning and Definition of Climate and Weather, Difference between Weather and Climate, Elements of Weather and Climate, Factors Affecting Climate, Condensation and Scattering	Introduction: Presentation of Climatic Data
	CHAPTER - 2 COMPOSITION AND STRUCTURE OF THE ATMOSPHERE : Atmosphere: Meaning and Definition, Composition of the Atmosphere , Structure of the Atmosphere, Chemical Composition of the Atmosphere	Introduction: Presentation of Climatic
	CHAPTER 3 - INSOLATION AND TEMPERATURE: Solar Radiation: Meaning, Isolation, Heat Budget of the Earth, Latitudinal Heat Balance, Factors Affecting Isolation, Distribution of Isolation on the Earth Heating and Cooling of the Atmosphere, Earth Heat Zones, Inversion of Temperature	Data Bar Diagrams
September 2023	CHAPTER 4 - ATMOSPHERIC PRESSURE AND WINDS: Meaning of Air Pressure, Effect and Importance of Air Pressure, Horizontal Distribution of Atmospheric Pressure, Pressure Belts, Winds, Shifting of the Winds Belts	Line Graph
	CHAPTER 5 - ATMOSPHERIC HUMIDITY AND PRECIPITATION: Water Vapor: Meaning and Importance, Types of Humidity, Evaporation and Condensation, Different Forms of Condensation, Precipitation, Distribution of Rainfall in the World, Hydrological Cycle	Polygraphs
	CHAPTER 6 - AIRMASSSES FRONTS AND CYCLONES : Airmasses: Meaning and Definitions, Classification of Airmasses, Fronts of Airmasses, Types of Fronts, Weather Conditions in a Front, Types of Cyclones: Tropical and Temperate Cyclone	Griffith Taylor Climograph
	CHAPTER 7 - CLIMATE CLASSIFICATION : Koppen's Scheme of Classification of Climate	Griffith Taylor Hythergraph
October 2023	CHAPTER 8- CLIMATIC CHANGE AND GLOBAL WARMING : Climatic Change, Causes of Climatic Change, Consequences of Climatic Change, Global Warming	Weather Maps and Their interpretation
	CHAPTER 9 - SURFACE CONFIGURATION OF OCEAN FLOOR: Floor of Ocean, Classification of Ocean Floor Oceans, Pacific Ocean, Atlantic Ocean, Indian Ocean	Drawing of Isobars
November 2023	CHAPTER 10 - TEMPERATURE AND SALINITY OF OCEAN WATER: Temperature of Oceanic Water, Processes of Heating and Cooling of Oceanic Water, Distribution of Temperature of Oceanic Water, Distribution of Salinity in Oceans	Isopleths Method Interpolation of Isohyets
	CHAPTER 11 - CIRCULATION OF THE OCEANIC WATER: Sea Waves, Ocean Currents, Causes of the Origin of Ocean Currents, Currents of the Pacific Ocean, Currents of the	Whether Symbols

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Lesson Plan:
CMG GCW Bhodia Khera, Fatehabad
Name of Teacher: Dr. Mahender Pal
B.A 2nd Year (4th Semester) Session: 2023-24
Subject: Geography

Month	Theory	Practical
January 2024	Nature & Scope of Human Geography: Introduction, dependence of human geography on other social sciences, branches of human geography	Map Projections: Meaning, classification & importance
	Human Races & Tribes of India: criteria of racial classification, early streams of migration, spatial distribution of tribal population in world and India	Cylindrical Projections: Characteristics & applications, Simple cylindrical
	Man- environmental Relations: historical journey, environmental determinism, Possibilism and neo determinism Human Adaptation to Environment : Eskimos, bushman, Gujjars, Gounds, transhumance	Cylindrical Projections: Equal area projection & True shape Or Mercator projection
	Resources: Meaning, Nature and Components: Resources are place & time relative, static & dynamic concepts of resources, Classification of Resources: Renewable & non renewable, power, raw material & food resources, biotic & abiotic resources	Conical Projection: Characteristics & applications, Simple conical with one standard & two standard projection
February 2024	Distribution and Utilization of Biotic Resources: Forest resources, grass lands, animal resources. Assignment -1	Conical Projection: Simple conical with two standard parallel & Bone projection
	Distribution and Utilization of Abiotic Resources: Water resources, Land resource and underground water resources, mineral resources	
	Conservation of Natural Resources: Conservation, need of conservation, conservation of soil, water, forest, mineral resources, Sustainable Development: Elements of sustainable development, ways to achieve sustainable development, tradition of sustainable development in India & Test	Conical Projection: Bone projection
	Population of The World: factors affecting population distribution, patterns of world population distribution, population density, determinants of population change, migration	Zenithal Projection: Cylindrical Projections: Characteristics & applications, Equidistant
March 2024	Concept of Optimum Population, Over Population and Under Population: Optimum Population, Over Population, Under Population, Theory of Population: Malthusian Theory, Recardo Theory, Mark's Theory. Assignment- 2	Zenithal Projection: Equal Area Projection
	Rural Settlement : Types of Rural Settlement, Affecting factors to location of rural settlement, patterns of rural settlement, Origin and Growth of Towns: Pre Historic Towns, Medieval Towns, Modern Towns	Zenithal Projection: Gnomonic Projection
	Classification and Functions of Towns: Methods of Classification, Empirical Method, Empirical cun statistical	Zenithal Projection: Stereographic Projection

	Method, general pattern of functional classification	
	Population Pressure, Resource use and Environmental Degradation: Exploitation of Resources, Environmental Degradation, process of Environmental Degradation,	Zenithal Projection: Orthographic Projection
April 2024	Population Pressure, Resource use and Environmental Degradation: Degradation of natural resources, soil erosion, flood, drought, desertification, deforestation, population explosion and resources	Practice of Viva Voce

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Lesson Plan
CMG GCW Bhodia Khera, Fatehabad
Name of Assistant Professor: Dr. Mahender Pal
Academic Session 2023-24 Class B.A.3rd (5th Sem) Subject: Geography

Date	Theory	Practical
August 2023	CHAPTER- 1 NATURE AND SCOPE OF ECONOMIC GEOGRAPHY : Nature and Meaning of Economic Geography, Scope of Economic Geography, Branches of Economic Geography, Methods of Studying Economic Geography, Importance of Economic Geography	Principal of map design and layout
	CHAPTER- 2 CLASSIFICATION OF ECONOMIC ACTIVITIES : Economic Activities : Meaning and Types, Gathering , Hunting, Pastoralism, Fisheries, Lumbering,, Mining and Agriculture, Primary, Secondary, Tertiary and Quaternary Economic Activities, Green House Effect and Global Warming	Symbolization: point, line and area symbol
	CHAPTER- 3 WORLD NATURAL RESOURCES : Meaning and Definition of Natural Resources, Role of Resources in Economic Development, Classification of Resources, Resources Conservation is Resources Development	Lettering and Toponymy Mechanics of Map Construction
September 2023	CHAPTER- 4 UTILIZATION AND CONSERVATION OF NATURAL RESOURCES : Biotic and Abiotic Resources, Forest, Animal Resources, Fisheries, Water Resources, mineral Resources, Conservation of Natural resources	Qualitative distribution-Maps- Chorochromatic Maps
	CHAPTER- 5 AGRICULTURAL RESOURCES : Food and Non-Food Crops – Rice , Wheat, Commercial Crops- Cotton, Sugarcane, Plantation Crops- Tea, Coffee, Rubber	Chorochromatic Maps
	CHAPTER- 6 MINERAL RESOURCES : Characteristics and Classification of Minerals, Iron Ore, Coal, Mineral Oil	Quantitative distribution Maps- Isopleth Maps
October 2023	CHAPTER- 7 MANUFACTURING RESOURCES : Characteristics of Modern Large Scale Manufacturing, Location of Industries, Classification of Industries, Concept of High Tech Industries, Technopoles	Choropleth Maps Dot Maps Diagrammatic Maps
	CHAPTER- 8 TRANSPORT AND COMMUNICATION : Transport : Meaning and Modes, Railway, Water transport, Air transport	Prismatic Compass Survey
November 2023	CHAPTER- 9 INTERNATIONAL TRADE : Meaning of International Trade, Basis of International Trade, Types of International trade, WTO, Regional Trade Groups	Revision & Viva
	Revision	


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Lesson Plan:
CMG GCW Bhodia Khera, Fatehabad
Name of Teacher: Dr. Mahender Pal
B.A 3rd Year (6th Semester) Session: 2023-24
Subject: Geography

Month	Theory	Practical
January 2024	Introduction of aerial photographs: History of aerial paragraphs, Development of aerial photography in India	Demarcation of principle point
	Introduction of aerial photographs: Application of aerial photos, Advantages of aerial photos, Types of aerial photos.	Conjugate principle point & flight line
	Introduction of aerial photographs: Types of aerial photographs on the basis of scale, Difference between map and photos.	Demarcation of scale of aerial photographs
	Introduction of aerial photographs: Difference between map and photos Scale of aerial photos Stereoscope.	Demarcation of scale of aerial photographs
February 2024	Introduction of aerial photograph: Factors affecting the interpretation of aerial photograph, Element of image interpretation,	Interpretation of single vertical photographs
	Introduction of aerial photograph: Aerial photographs interpretation, Method of interpretation of aerial photography	Use of stereoscope and identification of features
	Remote Sensing: Remote sensing meaning and definition, Fundamental of Remote Sensing, Stages of remote sensing, Swath of Satellite,	Identification of features
	Remote Sensing: Electromagnetic spectrum :Visible spectrum and Invisible spectrum, Utility of electromagnetic spectrum and fundamental Zones of remote sensing, Multi spectral, Concept Orbital path of satellites	Field survey: Introduction about survey and collection of data from field.
March 2024	Remote Sensing: Sensors and sensing systems, Types of resolution in remote sensing: Special resolution, Spectra resolution, Radio matriculation resolution, temporal resolution, Interpretation of physical and cultural features sensing in India New era in the field of remote sensing	Field survey: selection of village & preparation of questionnaire for collection of data.
	Remote Sensing: Remote sensing by artificial satellite Chronological development of remote sensing Types of remote sensing satellite on the basis of purpose Remote	Field survey: Tabulation of data and preparation of diagrams
	Imageries and Their Application: Difference between aerial photo and imagery, Merits and demerits of images Classification of image	Field survey: Interpretation of tables and diagrams and writing of report.

	Imageries and Their Application: Applications of Imageries, Natural and cultural elements: Land use mapping, Agriculture, Forestry, Geology, Water resources	Field survey: Interpretation of tables and diagrams and writing of report.
April 2024	Imageries and Their Application: Management of Wetlands, Ocean and coastal monitoring, Application in mapping Theme mapping topographic mapping	Practice of Viva Voce

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