**LESSON PLAN 2021-22 (BA (PC), BA (H) & MA (2nd, 4th and 6th Sem.)**

**DEPARTMENT OF GEOGRAPHY**

**Faculty: Mrs. Sharmila Yadav (HOD)**

**BA (H) 6TH SEM. Paper: Oceanography (Code: 601)**

**April:** Nature and scope of Oceanography, configuration of oceans floor: continental shelf, continental slope, deep sea plain/ trenches and ridges; bottom relief of Atlantic and Indian oceans. Factors affecting ocean temperature and distribution: horizontal and vertical. Test

**May:** Factors affecting ocean salinity and distribution: composition, horizontal and vertical distribution. Circulation of oceanic water; tides: type and origin, currents: types, origin and distribution; currents of the Atlantic, the Pacific and the Indian oceans; impact of ocean currents on climate and economy. Test

**June:** Marine deposits; nature, classification and world distribution; coral reef: condition of growth, types and world distribution; Ocean as store house of resources. Assignment and revision.

**Faculty: Dr. Indu Rao**

**BA (H) 2ND SEM. Paper: FUNDAMENTALS OF HUMAN GEOGRAPHY (Code: 202)**

**April:** Nature and scope of Human Geography; branches of Human Geography; man-environment relationship; determinism and Possibilisim. Evolution of man; classification and characteristics of races; human adaptation to environment: Eskimo, Bushman. Test

**May:** human adaptation to environment: Pygmy, Naga and Bhil. Classification of economic activity: primary, secondary and tertiary, Models in Geography: Von-Thunen’s model of agricultural location and Edward Ullman’s model of spatial interaction. Test

**June:** Human settlements: Types and pattern of settlements with reference to India; Christaller’s central place theory. Assignment, Seminar and full paper test.

**Faculty: Dr. Rajesh Kumari**

**MA 4TH SEM. GEOGRAPHY OF TOURISM (17GEO24DA2)**

**April:** Geography of Tourism: Definition, nature and scope; Motivating factors of tourism; Robinson’s classification of motivating factors of tourism. Product and typology; Infrastructure and support system of tourism: Accommodation and supplementary accommodation. Test

**May:** Agencies and intermediaries. Impact of tourism: Physical, economic and social, perceptional positive and negative impacts; Tourism paradigms: Ethnic and cultural tourism, heritage tourism, sustainable tourism and ecotourism. Test

**June:** Regional dimensions of tourism in India: Himalayan region, Northern Pains and The Thar Desert, Deccan plateau, Coastal Plains and the islands. Assignment, Seminar and full paper test.

**MA 4TH SEM. POPULATION GEOGRAPHY (17GEO24DB1)**

**April:** Population Geography: Definition, nature and scope; relationship with other disciplines – demography and population studies; sources of data with particular reference to India – census, vital or civil registration system, Sample Registration System, Sample surveys with particular reference to NSSO and NFHS; Problems of their reliability and comparability. Population Distribution and Growth: Factors affecting population distribution; Population growth - trends and determinants; spatial dimension of population growth in India; Theories of population growth – pre-Malthusian views. Test

**May:** Malthus’ Theory, views of socialist writers, optimum population theory, demographic transition model. Components of population change: trends and patterns in fertility and mortality levels; Theories of fertility; Migration: major international migrations; features of internal migration in India; theories of migration; population composition and characteristics - age and sex composition, literacy, marital status and economic characteristics of population. Test

**June:** Population and development: population growth and economic development; population growth and environmental quality; population control movement: population policies and its types; India’s Population Policy: Post independence development – Reproductive and Child Health Programme. Assignment, Seminar and full paper test.

**Faculty: Mrs. Tanuja**

**MA 2ND SEM. REGIONAL DEVELOPMENT AND PLANNING (16GEO22C2)**

**April:** Conceptual and theoretical framework: Concept of development, regional development; concept of region and regional planning; geography and regional planning; selection of indicators and measures of regional disparities. Regional Growth Theories: Friedman’s core-periphery theory; polarisation and trickle-down effect theory of Hirschman. Test

**May:** circular and cumulative causation model of Myrdal; growth pole theory of Perroux. Unit III Planning process: types of planning; regional planning and its rationale, principles and objectives. Regions for Planning: characteristics, hierarchy, need, and demarcation; planning regions of India. Test

 **June:** Experiences of regional development and planning in India - multi level planning (state, district, block and panchayat level planning); Regional Policies in the Indian Five Year Plans; planning policies for regional development; regional backwardness: criteria, strategy and programmes for backward area development. Assignment, Seminar and full paper test.

**BA (H) 2ND SEM. ECOLOGY AND ENVIRONMENT (Code: 201)**

**April:** Meaning and component of environment; geography as study of environment; man-environment relationship; Ecology and Ecosystem; Components of the ecosystem: abiotic, biotic. Functional characteristics of ecosystems: Food chains and food webs; ecological pyramids; energy flow. Test

**May:** biomes and its types; biodiversity: importance, causes for the loss of biodiversity. Unit-III Environmental pollution: meaning, types and causes of pollution; air pollution, water pollution, noise pollution, land degradation; depletion of ozone layer; greenhouse effect and climate change. Test

**June:** Conservation and management of environment; role of international and national policies; role of UNO: RIO summit, Kyoto protocol, Copenhagen summit. Assignment, Seminar and full paper test.

**Faculty: Dr. Anita**

 **MA 2ND SEM. ENVIRONMENTAL GEOGRAPHY (16GEO22C3)**

**April:** Environmental Geography: Nature and scope of environmental geography, fundamental concepts of environmental geography; Approaches and methods in Environmental Geography; Relationship with other branches of knowledge, Environment and Ecology: Meaning, structure and type of Environment, Ecology - meaning, scope and concepts. Sub-vision of ecology. Ecosystem: Meaning and concepts of ecosystem, Classification and components of eco-system, trophic structure, ecological pyramid, energy flow and biogeochemical cycle. Test

**May:** Ecological regions of India. Unit-III Environmental pollution- meaning, types, sources, causes and impacts; Air, Water and Land pollutions; Environmental Degradation – Nature, process, types and causes of environmental degradation; Greenhouse effect, Global warming, Ozone depletion and Desertification. Unit-IV Environmental management- concept, methods and approaches. Test

**June:** Management of soil, forest and mineral resources; Disaster Management; Conservation of natural resources; Emerging environmental problems and issues in India, Environmental policies, programmes, awareness and movements in India. Assignment, Seminar and full paper test.

**Faculty: SUMIT DAHIYA**

**B.A. Pass 6TH SEM. Introduction to Remote Sensing, GIS and Quantitative Methods**

**1st April, 2022 to 30thApril, 2022**

Introduction to the Aerial photographs - their advantage and types. Elements of aerial photograph interpretation. Introduction to remote sensing, electromagnetic spectrum, stages in remote sensing, types of satellites. Group discussion and assignment.

**01st May, 2022 to 31s May, 2022**

Types of imageries and their application in various fields such as agriculture, environment and resource mapping. Introduction to GIS- Definition, purpose, software and hardware requirements, its advantages and application in the various fields. Group discussion and test.

**01st June, 2022 to 15th June, 2022**

Measures of Central tendency: Mean, Median and Mode. Measures of Dispersion- Range, Quartile deviation and Mean deviation. Standard deviation and Coefficient of variation. Group discussion.

  **B.A. (Hons) 4TH SEM. PAPER: CLIMATOLOGY**

**1st April, 2022 to 30thApril, 2022**

Meaning and scope of climatology. Weather and climate. Elements of climate. Factors affecting climate. Composition and structure of atmosphere. Atmospheric temperature: Horizontal and vertical distribution. Group discussion and assignment.

**01st May, 2022 to 31s May,2022**

Atmospheric pressure and wind distribution. Atmospheric moisture: Humidity, evaporation and forms of condensation. Types of precipitation. World patterns of rainfall. Air masses: concepts and classification. Atmospheric disturbance. Tropical and Temperate cyclones. Anti- cyclones. Teat and group discussion.

**01st June, 2022 to 15th June, 2022**

Climatic regions- Classification of Koppen and Thornwaites. Climate change and global warming: evidences, causes, consequences and measures.

**Faculty: RESHMA SHARMA**

**B.A. Pass 6TH Sem. 303 Introduction to Remote Sensing, GIS & Quantitative Methods**

**1 April 2022 to 30 April 2022**

Introduction to Aerial Photographs: their advantages and types. Elements of aerial Photo interpretation. Introduction to Remote Sensing; Electromagnetic spectrum, stages in remote sensing, type of satellites. Assignment, group discussion.

**1 May 2022 to 31 May 2022**

Types of Imageries and their application in various fields such as agriculture, environment and resource mapping. Introduction to Geographical Information System: Definition, purpose, advantages and software and hardware requirements. Application of GIS in various fields of geography. Group discussion, test.

**1 June 2022 to 15 June 2022**

Measure of Central Tendency: Mean, Median and Mode. Measure of Dispersion: Range, Quartile deviation and Mean deviation, Standard deviation, Coefficient of variation. Group discussion.

**B.A. Hons. 4TH Sem. 403 STATISTICAL TECHNIQUES IN GEOGRAPHY**

**1 April 2022 to 30 April 2022**

Meaning of statistics; classification and tabulation of statistical data; representation of statistical data: line, bar diagram, histogram ogives; significance of statistical techniques in geography. Group Discussion, assignment.

**1 May 2022 to 31 May 2022**

Measures of central tendency: mean, median, mode; partition values: quartile, pentile and percentile. Group Discussion, test. Measures of dispersion: mean deviation, standard deviation; co-efficient of variation; Lorenz’s curve. Group Discussion, test.

**1 June 2022 to 15 June 2022**

Correlation (Karl Pearson and Spearman); significance testing of correlation and co-efficient of determination. Group Discussion, test, seminar.

**Faculty: ROOHI FATMA**

**B.A. Pass IV Semester 203 HUMAN GEOGRAPHY**

**1 April 2022 to 30 April 2022**

Nature and scope of Human Geography, Branches of Human Geography, Approaches to the study of Human Geography. Division of Mankind: Spatial distribution of race and tribes of India; concept of men- environment relation : A historical approach. Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman (iii) Plateau – Gonds (iv) Mountains – Gujjars. Group Discussion, assignment.

**1 May 2022 to 31 May 2022**

Meaning, nature and components of resources; Classification of resources – renewal and non- renewable ; biotic and aboitic, recyclable and non recyclable. Distribution, utilization and conservation of biotic (flora and fauna) and aboitic (water, minerals and energy) resources. Distribution and density of world population, population growth, fertility and mortality patterns. Concept of over, under and optimum population; Population theories: Malthus, Ricardo and Marx. Group Discussion, test.

**1 June 2022 to 15 June 2022**

Rural settlements: Meaning, classification and types. Urban settlements: Origin, classification and functions of towns. Population pressure, resource use and environment degradation; sustainable development, concept of deforestation, soil erosion, air and water pollution. Group discussion.

**M.A. 4TH SEM. 17GEO24C2: RESEARCH METHODOLOGY**

**1 April 2022 to 30 April 2022**

Meaning and Purpose of Research? Types of Research; Social Science Research; Identification of Research Question and Literature Surveying; Methods and Methodology in Human Geography. Group discussion, test.

**1 May 2022 to 31 May 2022**

Scientific Method in Human Geography; Analytical Steps of the Scientific Method; The Routes of Scientific Explanation: Deductive and Inductive forms of reference; Explanation in Geography: Some Problems. From Quantitative to Qualitative Geography; Qualitative Data Production: Interviews (Process of Interviewing, Structure interviews and informal surveys; Depth Interviewing and Working with Groups). Group discussion, assignment.

**1 June 2022 to 15 June 2022**

Observation (Participant Observation and Ethnography).Process of Research Report Writing; Reference styles (Harvard, Chicago), Ethics in Research. Group discussion, test, seminar.

**Faculty: SARITA DEVI**

**B.A. Pass IV Semester HUMAN GEOGRAPHY (Paper Code 203)**

**1 April 2022 to 30 April 2022**

Nature and scope of Human Geography, Branches of Human Geography, Approaches to the study of Human Geography. Division of Mankind: Spatial distribution of race and tribes of India; concept of men- environment relation : A historical approach. Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman (iii) Plateau – Gonds (iv) Mountains – Gujjars. Group Discussion, assignment.

**1 May 2022 to 31 May 2022**

Meaning, nature and components of resources; Classification of resources – renewal and non- renewable ; biotic and aboitic, recyclable and non recyclable. Distribution, utilization and conservation of biotic (flora and fauna) and aboitic (water, minerals and energy) resources. Distribution and density of world population, population growth, fertility and mortality patterns. Concept of over, under and optimum population; Population theories: Malthus, Ricardo and Marx. Group Discussion, test.

**1 June 2022 to 15 June 2022**

Rural settlements: Meaning, classification and types. Urban settlements: Origin, classification and functions of towns. Population pressure, resource use and environment degradation; sustainable development, concept of deforestation, soil erosion, air and water pollution. Group discussion.

**B.A. Hons IV Semester POPULATION GEOGRAPHY Paper Code: 402**

**1 April 2022 to 30 April 2022**

Nature and scope of Population Geography; sources and types of population data: census, sample surveys and vital registration system. Group Discussion, assignment, test.

**1 May 2022 to 31 May 2022**

World population: causes and consequences; factors affecting population distribution; Migration: types and determinants. Population characteristics: fertility and mortality, age and sex structure Group, occupational Discussion, assignment, test.

**1 June 2022 to 15 June 2022**

Population Theories: Malthus and Marx; demographic transition theory; problems growth in India; population policy in India by 5Group discussion.

**Faculty: Sheela Yadav**

**B.A. Pass II Sem. 103 Physical geography**

**1 April 2022 to 30 April 2022**

Definition of Physical Geography, Nature and Scope of Physical Geography. Fields of Physical Geography. Interior of the earth, Geological time scale, and rocks. Earth movements; organic, eperogenic. Group Discussion.

**1 May 2022 to 31 May 2022**

Earthquakes and volcanoes. Theory of Isostasy; Wegner’s theory of continental drift and Plate tectonic theory. Weathering; causes and its types. Mass movements; causes, their types and impacts Unit test

**1 June 2022 to 15 June 2022**

Concept of the cycle of erosion; the cycle of erosion by W.M.Davis and Process of Wind, River, Underground water, Glaciers, and Sea waves. Unit Test & Assignment

**B.A. Hons. VI Semester 603 POLTICAL GEOGRAPHY**

**1 April 2022 to 30 April 2022**

Nature and scope of Political Geography; approaches to the study of political geography: morphological and functional. Group Discussion, assignment.

**1 May 2022 to 31 May 2022**

Concept of the nation, state, and nation-state; geographic characteristics of states: size, shape, location, cores, and capitals; frontier and boundaries. Global geo-strategic views: Mahan, Mackinder. Unit test & Seminar

**1 June 2022 to 15 June 2022**

Global geo-strategic views Spykman and Seversky. Forms of Government: unitary and federal; electoral abuses; Malapportionment, Gerrymandering. Unit test & Seminar

**Faculty: Dr. Kuldip Singh**

**M.A. Semester-II 16GEO22D1 - URBAN GEOGRAPHY**

**April, 2022:** Urban Geography: definition, nature, scope, and recent trends; Urban revolutions and growth of towns and cities in the world (with particular reference to India). Urbanisation processes and patterns in an era of globalisation; urbanisation process in India: colonial legacy, the post-independence characteristics; phases of urbandevelopment with location of economic activities in cities; urban form and structure: pre-industrial, industrial and post industrial societies. Aspects of urban places: Location, site and situation - definition, nature and significance; urban ecological processes; urban systems and the growth of cities: the rank-size distribution of cities, primate city distribution, central place theory of Christaller; the urban fringe.

**May, 2022:** Urban planning visions: the garden city, the radiant city; conserving urban landscapes; sustainability and the city; city environments and living conditions; urban development strategy with particular reference to India.

**June 2022**: Seminars Presentations, Group Discussions and Class Test

**17GEO24C1 - GEOGRAPHICAL THOUGHT**

**April, 2022**: geography in the classification of knowledge. Relationship of geography with other natural and social sciences; subject matter of geography. Pre-scientific geographical ideas and emergence of scientific geography; influence of Kant. Classical Period of Modern Geography: Humboldt and Ritter; legacy of Humboldt and Ritter. Dualisms and dichotomies: physical and human, systematic and regional, and general and particular. Unification of Geography- Richthofen and Hettner. Social Origins of Environmental Determinism. Possibilism, Regional concept, Vidal de la Blache. Modern Geography since 1950s: Quantitative revolution and positivism; locational analysis. Reactions to scientific positivism and development of ‘human centred theories; Behavioural, humanistic and radical approaches.

**May, 2022**: Urban planning visions: the garden city, the radiant city; conserving urban landscapes; sustainability and the city; city environments and living conditions; urban development strategy with particular reference to India.

**June 2022**: Seminars Presentations, Group Discussions and Class Tests.

**Faculty: Dr. Kuldeep Yadav**

**B. A. Honours Geography, Semester-VI Session Paper-602 ECONOMIC GEOGRAPHY**

 **April, 2022:** Nature and Scope of Economic Geography; relation of Economic geography with other branches of social sciences; Location and spatial organization of economic activities (Primary, secondary and Tertiary).Mineral resources: iron ore and bauxite; Power resources: coal, petroleum, nuclear and hydro electricity; Major industries: iron and steel, textiles, petrochemical; Theory of industrial location (Weber).

**May, 2022**: Agricultural regions of the world (Derwent Whittlesey); Principal crops: wheat, rice, sugarcane and tea; Theory of agricultural location (Von Thunen). Trade and Transport: main features of international trade; transport cost, accessibility and connectivity; major oceanic routes of the world. **June, 2022**: Seminars Presentations, Group Discussions and Class Tests.

**M.A. Geography, Semester-II 16GEO22C1 - GEOGRAPHY OF WORLD ECONOMY**

**April 2022**: Economic Geography: The Stuff of Economic Geography, A brief history, Why Economic Geography? Modes of Theorizing in Economic Geography: Political Economy, Poststructuralist Economic Geography Capitalism, Fundamental Concepts: Use-value, Exchange Value, Capital, Capital and Labour, Capital Accumulation, Capital Accumulation by Dispossession. Capitalism in Twentieth Century: Organized Capitalism Disorganized Capitalism. Neo-Liberalism.

**May 2022**: World Economy and the Capitalist mode of production, The Basic Elements of World Economy: A Single Market, a Multiple State System, the Three-tier structure; A Space-Time Matrix of the World Economy, Dynamics of World Economy, Spatial Structure of the World Economy. Economic Development: Globalization or Internationalization, Patterns of International Trade, WTO and Developing Countries.

**June 2022**: Seminars Presentations, Group Discussions and Class Tests.