

GOVT. DEGREE COLLEGE, LAKSAR (HARIDWAR)

Teaching Plan

Session – 2021-2022

Name of Faculty Member : **Dr. Sharad Kumar Tripathi**

Department : **Geography**

Class : **B.A. I**

Paper Name : **Physical Geography**

S.N.	UNIT	SYLLABUS	No. Of Lectures in Plan
I		Lithosphere (A) : Nature and Scope of Physical Geography, Geological Time Scale Origin and age of the Earth, Origin theory of earth by Kant, Jeans & Jeffreys and Big Bang, Concept of Biosphere.	15
II		Lithosphere (B) Forces of the earth : Earthquakes and Volcanoes Rocks their origin, classification and characteristic; Earth movements- Folding and faulting.	15
III		Lithosphere (C) : Weathering and Erosion : Cycle of Erosion by Davis and Penck: Drainage Pattern, Evolution of Land forms-Fluvial, Arid, Glacial, Karst and Coastal landscapes.	15
IV		Atmosphere : Composition and Structure of atmosphere : Insolation; Horizontal and Vertical distribution of temperature; Atmosphere pressure and winds: and anti-cyclones, Humidity precipitation and rainfall types. Classification of world climates, world climatic regions by Koppen.	15
V		Hydrosphere : Surface configuration of the ocean floor, continental shelf continental slope, abyssal plain, ridges mid-oceanic deep and benches, composition of marine water-temperature and salinity, Circulation of Ocean water, Waves, Currents and Tides, Corals reefs.	15
Total No. Of Lectures			75

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Name of Faculty Member : **Dr. Sharad Kumar Tripathi**


Department : **Geography**

Class : **B.A. I**

Paper Name : **Human Geography**

S.N.	UNIT	SYLLABUS	No. Of Lectures in Plan
	I	Concept and Nature : Meaning, Scope and Development of Human Geography; Man-Environment relationship-Determinism, Possibilism, Neo-determinism, Probablism, Basic Principles-Principals of Activity of change, Principal of Terrestrial unity or whole.	15
	II	Distribution of Population : Population growth, Distribution and Density, world patterns; global migration causes and consequences.	15
	III	Human Settlements : Origin, types and patterns (Rural-Urban) characteristics size and distribution of Habitat, Economy and Society of World Major tribes, House types and their distribution with special reference to India.	15
	IV	Society and Culture : Races of the word special reference-Negroid, Mongoloid and Caucasian, Evolution of man Australopithecus, Homo Erectus, Homo sapiens, Man's spread over the earth during the Pleistocene; Cultural Diffusion, Social groups and Organizations; religious groups in the world, Cultural realms.	15
	V	Economy and Technology : Evolution of Human technology, Stages of Economic Development and Sequence of technological growth and human occupancy : Palaeolithic to industrial, Primitive Economics- Food gathering, Lumbering, Hunting, Fishing and Primitive agriculture. Later major innovations and their impact.	15
		Total No. Of Lectures	75


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Session – 2021-2022

Name of Faculty Member : **Dr. Sharad Kumar Tripathi**

Department : **Geography**

Class : **B.A. I**

Paper Name : **Practical**

S.N.	UNIT	SYLLABUS	No. Of Lectures in Plan
	I	Scale- Definition and importance, construction of scale-comparative diagonal and Venire Methods of Enlargement and Reduction a maps and measurement of distance	15
	II	Projection; general principles, classification, construction of conical projection with one and two standard parallel, bonnes, cylindrical, Simple and Equal area, Mercaters and polar zenithal equal area map projection.	15
	III	Topographical Maps- Series, Index numbering scale and conventional signs. Interpretation of any one 1/50000 topographical sheet presenting plain and mountain area with special reference to recognition of relief features, land use roads settlements pattern, drainage characteristics and contour.	15
	IV	Methods of showing relief; Hachure, shading contours & layer tints, representation of following relief features by contours- hill, saddle, plateau, Cliff, water fall, U and V shaped valley.	15
	V	Type of slope concave, convex, gentle and undulating gradient, intervisibility	15
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Name of Faculty Member : **Dr. Sharad Kumar Tripathi**

Department : **Geography**


Class : **B.A. II**

Paper Name : **Economic Geography**

S.N.	UNIT	SYLLABUS	No. Of Lectures in Plan
I		Nature, scope and development of Economics Geography : Major concepts in Economic Geography-Economic landscapes, stages of Economic development, typology on economic activities (primary, secondary, tertiary, quaternary), Resources-concept and classification, resource utilisation. Sources of Power – Coal, petroleum and hydro-power, resource-solar and wind energy.	15
II		Natural Resources: Soil types and distribution, forest types and distribution water resources, mineral resource- Iron, Magnees, Boxits and Gold, Marine resources.	15
III		Agriculture and Land Use : Major crops, (Rice, Wheat and Maize), commercial crops (Tea, Cotton, Rubber), Agricultural regions of the world (with special reference to U.S.A. China)	15
IV		Industrial Development : Locational factor of industries, webers theory, manufacturing industries-Iron and steel, textile, ship building, sugar industry, chemical industries, Auto mobile industries, paper industries, Major Industrial region (U.S.A., USSR and Japan).	15
V		Trade and Transport : Means of transport, Continental railway, Sea routs. International air ways. Changing pattern of International trade, major trade organization and trade blocks (EEC, ASEAN, NAFTA, OPEC and EFTA)	15
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Name of Faculty Member : **Dr. Sharad Kumar Tripathi**

Department : **Geography**

Class : **B.A. II**

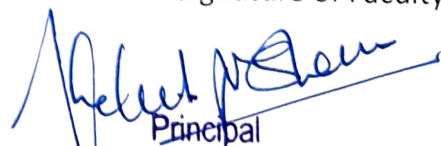
Paper Name : **Geography Of India**

S.N.	UNIT	SYLLABUS	No. Of Lectures in Plan
	I	India in the context of Asia. India is a sub-continent, geological structure, physical divisions, physiographic regions, drainage systems, climate: concept of monsoon, seasonal variations, climatic divisions of India.	15
	II	Natural resources India- land and Soil, forest, water, mineral and power distribution and production in India.	15
	III	Agriculture and industrial development, agriculture main characteristic and problems, irrigation , mechanization and green evolution, recent trendy of agriculture, Agricultural regions. Locational factors and industrial development, major industries from textile, cement, sugar, paper and automobile, industrial region of India.	15
	IV	Population growth, distribution, density, demographic structure; Urbanisation with special reference to post-in dependence period: Transport and Trade Development Transport network, Railway Zones, road development and airline routes: Foreign trade- Salient features, recent trends and trade, major ports	15
	V	Regional disparities and development in India, Major issues and planning of some problem areas- Flood prone areas, Drought prone areas and Tribal areas. Planning regions. Regional divisions and detailed geographical study of Uttarakhand	15
		Total No. Of Lectures	75



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Session – 2021-2022

Name of Faculty Member : **Dr. Sharad Kumar Tripathi**


Department : **Geography**


Class : **B.A. II**

Paper Name : **Practical**

S.N.	UNIT	SYLLABUS	No. Of Lectures in Plan
I		Primary and secondary data and their sources, methods of primary data collection, classification of statistical data and tabulation. Graphical representation and interpretation of- Freque curves , histogram and Polygon.	18
II		Measures of Central Tendency-Mean, Median, Mode, Measures of dispersion- standard Deviation. Coefficient of correlation-Karl Pear sons and spearman methods. Scatter Diagrams.	18
III		Cartographic Representation of Statistical Data a) Graphs-Line graph, Band Graph, Hythergraph and Climograph b) Diagrams-Circle, Wheel, Pyramid, . c) Distribution of Population- Dot method and Choropleth method.	18
IV		Representation of Weather elements, Reading of weather map. Preparation of weather map through given weather summaries. Remote Sensing data Produds Aerial Photographs, Satellite imagery difference between them, indexing of aerial photographs type so digital data.	18
Total No. Of Lectures			72


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Name of Faculty Member : **Dr. Sharad Kumar Tripathi**


Department : **Geography**


Class : **B.A. III**

Paper Name : **Evolution Of Geographical Thought**

S.N.	UNIT	SYLLABUS	No. Of Lectures in Plan
	I	Definition, nature and scope of geography, changing philosophy of geography, Geography as an interdisciplinary science, geography as social science, geography as a synthesizing science; explanations in geography, branches and sub branches of geography, basic concepts of geography, distributions, relationships, interaction, area differentiation and spatial organization.	15
	II	Dichotomies in Geography: Physical Vs human, systematic Vs regional, approaches to the study of geography- areal differentiation, landscape, location and ecology. Development of Geography in the first half of the 20th century.	15
	III	Contributions of Greek and Roman Geographers- Ptolemy and Strabo, Arab Geographers, Contribution of Geographical knowledge in ancient and medieval India, Renaissance in Geography, Discoveries and inventions, contribution of Taylor, Immanuel Kant.	15
	IV	German, French and Anglo American. Humbolt, Ritter, Ratzel, Davis, E.C. Semple, Blash, Isaiah	15
	V	Geography in India (after independence); Recent trends in Geography and Modern Geographical school of thoughts- landscape, ecological and locational	15
		Total No. Of Lectures	75


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Name of Faculty Member : **Dr. Sharad Kumar Tripathi**


Department : **Geography**

Class : **B.A. III**

Paper Name : **Environment Geography**

S.N.	UNIT	SYLLABUS	No. Of Lectures in Plan
I		Concept of Environment, Elements of Environment, Concepts of Ecology and Ecosystems and its Structure, Tropic level and food chain, Function of Ecosystems, Man environment relationship.	15
II		Environmental Degradation-Concept, cause and consequences, Economic Development and Environmental Crisis, Acid Rain, Greenhouse effect, ozone and layer depletion, impact of Growth of population, industrialization, technology and consumerism of Environment.	15
III		Cause and Consequences of Deforestation, Soil Erosion, Energy Crisis, Climatic changes due to Environmental pollution and deflation, biodiversity global warming.	15
IV		Natural Disasters and Disaster, Management-meaning and concept natural hazards and classification, (natural and man made Special reference to India. Disaster mitigation and preparedness.	15
V		Environmental conservation and management- concept and significance, programme and policies of global, national and Regional level, Environmental, impact Assessment concept of Eco-Development.	15
Total No. Of Lectures			75


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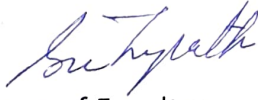
Name of Faculty Member : **Dr. Sharad Kumar Tripathi**


Department : **Geography**


Class : **B.A. III**

Paper Name : **Practical**

S.N.	UNIT	SYLLABUS	No. Of Lectures in Plan
	I	Geological maps Geological map- Representation of rock outcrops, bedding planes, dips and strikes, drawing of cross sections and determination of dip angles and bed thickness, Interpretation of Geological Features.	18
	II	1-Survey of given area and plotting the same by Plane Table- Radiation and Intersection methods of Indian Clinometers	18
	III	Survey of Given Area and Plotting the same by Prismatic compass preparation of Map by open and closed traverse (Field book, correction of bearing and removal of closing error)	18
	IV	The students shall be taken out on a field survey at any one place for about three days. They will be required to conduct survey of the socio-economic landscape of the concerned area and write a detail report on the basis of data so generated.(Designing the field Report-Aims and objectives. Methodology, Analysis, Interpretation and Writing with Maps & Diagrams the Project Report)	18
	V		
		Total No. Of Lectures	72


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