

Name of Department - Geography

Session - 2019 - 2020

Semester Wise Detailed Report of Topics Covered By Department Professors

July 2019 To Dec 2019

SI No	Name of Professor	Topic Covered		
		Sem-1 (Theory / Practical)	Sem-3 (Theory/Practical)	Sem-5 (Theory/Practical)
1	Dr. K. P. Singh	<p>Core</p> <ol style="list-style-type: none"> 1. Nature and scope of Geography 2. Origin of the Earth 3. Concept of Space & Landscape 4. Geological Time Scale 5. Geography in ancient Period 6. Isostasy 7. Contribution of Humboldt Ritter 8. Fluvial and Glacial Processes and Landforms 9. Remote sensing 10. Basic concept of Geomorphology <p>Practical</p> <ol style="list-style-type: none"> 1. Construction of scale 2. Simple Scale 3. Diagonal Scale 4. Comparative Scale 5. Isopleth 	<p>Core</p> <ol style="list-style-type: none"> 1. Meaning and scope of Biogeography Hydrological Cycle 2. Structure of India Relief of Jharkhand 3. Ecology, Agriculture system in India 4. Major Crops in Jharkhand 5. Concept of Biomes, Agricultural Regions in India 6. Energy Flow, Green Revolution Mineral Resources in Jharkhand <p>Practical</p> <p>Plande Table Survey Radiation Method Prismatic compass survey Climograph</p>	<p>Core</p> <ol style="list-style-type: none"> 1. Meaning and scope of Human Geography 2. Definition of Economic Geography 3. Man Environment Relationship 4. Resource Conservation 5. Evaluation of man Mineral Resources 6. Eskimo and Bushman Tribe Major Industries 7. Migration world Transportation <p>Practical</p> <p>Dot Method Land use Survey Pyramid Diagram Ergograph / Bandgraph Compound / Multiple Bar Diagram</p>

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Session - 2019 - 2020

Semester Wise Detailed Report of Topics Covered By Department Professors

January 2020 To February 2020 (From March 2020 College closed due to COVID-19 - 1st Phase Till October 2020)

SI No	Name of Professor	Topic Covered		
		Sem-2 (Theory / Practical)	Sem-4 (Theory/Practical)	Sem-6 (Theory/Practical)
1	Dr. K. P. Singh	<p>Core</p> <ol style="list-style-type: none"> 1. Meaning and scope of contemporary issues in Geography 2. Landslide Heat balance 3. Earthquake Inversion of Temperature 4. Deforestation, General Distribution of Land and Sea <p>Practical</p> <p>Hythorgraph Climatograph Hypsometric Curve Spherical Diagram</p>	<p>Core</p> <ol style="list-style-type: none"> 1. Relief of North America, Physiography of South America 2. Meaning and scope of Travel and Tourism 3. Natural Vegetation of North America 4. Agriculture of South America 5. Physiography of Europe 6. Dairy Farming of Australia 7. Physiography of Asia 8. Grassland of Afric 9. Tourism Development in Jharkhand <p>Practical</p> <p>Projection Polar zenithal Equal area projection Conical Projection Mercator's Projection</p>	<p>Core</p> <ol style="list-style-type: none"> 1. Definiton of Environmental Geography 2. Meaning of Regional Development and Planning 3. Ecology, Evaluation of Regional Planning in India 4. Environmental Degradation 5. Role of Agriculture in Regional Planning 6. Depletion of Ozone Layer National Capital Region (NCR) <p>Practical</p> <p>Dumpy Level Survey Socio-Economic Field Work Clinometer Survey Geographical Excursion</p>

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Session - 2019 - 2020

Semester Wise Detailed Report of Topics Covered By Department Professors

October 2020 To December 2020

SI No	Name of Professor	Topic Covered		
		Sem-1 (Theory / Practical)	Sem-3 (Theory/Practical)	Sem-5 (Theory/Practical)
1	Dr. K. P. Singh	<p>Core</p> <p>Introduction to Geography Geog. In Medieval and Modern Period Sea Floor Spreading German school of Geography French and British School of Geography Weathering</p> <p>Practical</p> <p>Meaning and importance of scale Drainage Density Drainage Hierarchy River Profile</p>	<p>Core</p> <p>1. Meaning and importance of Biogeography Ecosystem 2. Drainage of Indian 3. Forest Resources of Jharkhand 4. Hydrological cycle 5. Bio-Geo-Chemical Cycles 6. Iron and Steel Industry of India 7. Food Crops of Jharkhand 8. Forests Biomes, Cotton Textile Industry of India</p> <p>Practical</p> <p>Intersection Method Open and Closed traverse survey Ombrothermic Chart Food Chain and Food Web</p>	<p>Core</p> <p>Definition and Nature of Human Geog. Main concept of Economic Geog. Determinism, coal and petroleum Classification of races, Principal Crops OranTribe in Jharkhand Theory of Industrial location</p> <p>Practical</p> <p>Choropleth Pyramid Diagram Line Graph</p>

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Session - 2020 - 2021

Semester Wise Detailed Report of Topics Covered By Department Professors

January 2021 To March 2021 (From 12th March 2021 College Closed due to COVID-19 2nd Phase till December 2021)

SI No	Name of Professor	Topic Covered		
		Sem-2 (Theory / Practical)	Sem-4 (Theory/Practical)	Sem-6 (Theory/Practical)
1	Dr. K. P. Singh	<p>Core</p> <ol style="list-style-type: none"> 1. Meaning and Importance of Contemporary issues in Geography 2. Insolation 3. El-nino and La Nina 4. Atmospheric Pressure 4. Forest Fire, Airmass, Salinity in sea <p>Practical</p> <p>Windrose and Visibility Diagram Synoptic Chart Lorenz Curve</p>	<p>Core</p> <ol style="list-style-type: none"> 1. Population of North America 2. Climate of Europe, SAARC Nations 3. Factors affecting Tourism Development 4. Population of Asia 5. Desert Environment of Africa 6. Water Route of Great Lakes in North America 7. Wheat belt of Columbia basin 8. Hotentot and Bora Tribes in Africa 9. Role of Transportation in Tourism <p>Practical</p> <p>Polar Zenithal Equidistant Projection Weather Symbols Weather Map</p>	<p>Core</p> <ol style="list-style-type: none"> 1. Components of Environment 2. Theories of Regional Development 3. Functioning of Eco-system 4. Schemes of Regionalization 5. Causes of Air and Wather Pollution 6. Multi-Level Planning 7. Geographical influences on voting rural-urban interfaces in India <p>Practical</p> <p>Meaning and types of Field work Introduction to Projection Cylindrical and Mercator's Projection</p>

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Session - 2021 - 2022

Semester Wise Detailed Report of Topics Covered By Department Professors

January 2022 To June 2022

Sl No	Name of Professor	Topic Covered		
		Sem-2 (Theory / Practical)	Sem-4 (Theory/Practical)	Sem-6 (Theory/Practical)
1	Dr. K. P. Singh	<p>Core</p> <ol style="list-style-type: none"> 1. Meaning of Contemporary issues in Geography 2. Monsoon 3. Carrying capacity of the earth and Human Welfare 4. Jet Stream 5. Watershed management 6. Continental slope and continental shelf 7. Soilerosion, ocean currents <p>Practical</p> <p>Altimetric frequency graph Preparation of Hazard Maps in India Scatter Diagram Interpretation of earthquake hazard map of India</p>	<p>Core</p> <ol style="list-style-type: none"> 1. Panama Route 2. Regional Studies of Brazil 3. Geographical Account of Argentina 4. Iron and Steel Industries in USA 5. Regional account of Egypt 6. Tourism as a summaising Industry 7. Demography of Europe 8. Detailed Regional study of New Zealand, Agencies and Guides 9. Population of Asia 10. Regional account of Nigeria 11. Classification of Tourists <p>Practical</p> <p>Definition and Kinds of Projection Gall's Projection Merit and Demerit of any Projection</p> <p>Representation of atmospheric features</p>	<p>Core</p> <ol style="list-style-type: none"> 1. Importance of Environmental Geog. 2. Meaning of Regional Development and Planning 3. Soil system 4. Approaches to Regional Development 5. Ecology and Ecosystem 6. Concept and Types of Regions 7. Pollution, Macro, Micro planning regions of India <p>Practical</p> <ol style="list-style-type: none"> 1. Objective of Field work 2. Definition and kinds of Projection 3. Cylindrical Equidistant and equal-area projection

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Session - 2022 - 2023

Semester Wise Detailed Report of Topics Covered By Department Professors

July 2022 To December 2022

Sl No	Name of Professor	Topic Covered		
		Sem-1 (Theory / Practical)	Sem-3 (Theory/Practical)	Sem-5 (Theory/Practical)
1	Dr. K. P. Singh	<p>Core</p> <ol style="list-style-type: none"> 1. Nature and scope of Geog. 2. Place of Geog. In the classification of Science 3. Geog. In Ancient period(ROME, Greek and India) 4. Geog. In Medieval period and Modern Period 5. Contribution of Humboldt, Ritter and Ratzel 6. Daulism in Geog. Man-Environment Relationship <p>Practical</p> <ol style="list-style-type: none"> 1. Construction of Scale (Simple, Diagonal and Comparative Scale 2. Indexing of Topographical sect 3. Interpretation of Topo-shut 	<p>Core</p> <ol style="list-style-type: none"> 1. Nature and Scope of Bio-Geography 2. Hydrological cycle 3. Physiography of India and Jharkhand 4. Dispersal of Plant and Animals 5. Bio-Geo-Chemical cycle 6. Foreign Trade of India 7. Age and Sex Ratio of Jharkhand 8. Forest and Grassland Biomes 9. Indian Forest 10. Major Hydel Industry of Jharkhand <p>Practical</p> <p>Plane Table Survey Radiation / Intersection Method Diagram of Food chain and Food Web Climograph</p>	<p>Core</p> <ol style="list-style-type: none"> 1. Meaning and concept of Human Geog 2. Meaning of Economic Geog 3. Characteristics of races and their distribution 4. Soil Distribution in India 5. Eskimo and Bushman Tribes 6. Trans-continental Railways 7. Environmentalism 8. World Trade Organisation (WTO) <p>Practical</p> <ol style="list-style-type: none"> 1. One day Excursion based on the orientation of Toposheet 2. Introduction to Land Use Survey 3. Dot and choropleth Method 4. Need for land use survey in India

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Semester Wise Detailed Report of Topics Covered By Department Professors

January 2023 To June 2023

SI No	Name of Professor	Topic Covered		
		Sem-2 (Theory / Practical)	Sem-4 (Theory/Practical)	Sem-6 (Theory/Practical)
1	Dr. K. P. Singh	<p>Core</p> <ol style="list-style-type: none"> 1. Big Bang Theory regarding origin of Earth 2. Interior structure of the earth 3. Geomorphic process 4. Structure and composition of Atmosphere 5. Ecology and Ecosystem, Energy flow in Ecosystem 6. Definition of Biomes, Coral Reef and Oceanic Deposits <p>Practical</p> <p>Introduction to scale Geological corss section Hythergraph and Climograph Weather Symbols</p>	<p>Core</p> <ol style="list-style-type: none"> 1. Relief and vegetation of North America 2. Physiography of South America 3. Definition of Travel and Tourism 4. Density and Distribution of Population in Asia 5. Demography setup in Australia 6. Classification of Tourists 7. Iron and Steel Industry in UK, SAARC nations 8. National Environmental Policy <p>Practical</p> <ol style="list-style-type: none"> 1. Conical Projection with two standard parallel 2. Polar Zenithal equi-distant projection 3. India Daily Weather Map Interpretation 	<p>Core</p> <ol style="list-style-type: none"> 1. Meaning and scope of Environmental Geog. 2. Meaning , concept and Scope of Regional Development and Planning 3. Ecology and Ecosystem 4. Evolution of Regional Planning in India 5. Environmental Degradation and Pollution 6. Panchayati Raj <p>Practical</p> <p>Dumpy Level Survey Objective of Field Work Importance of Excursion in Geog</p>

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Session - 2023 - 2024

Semester Wise Detailed Report of Topics Covered By Department Professors

July 2023 To December 2023

SI No	Name of Professor	Topic Covered		
		Sem-1 (Theory / Practical)	Sem-3 (Theory/Practical)	Sem-5 (Theory/Practical)
1	Dr. K. P. Singh	<p>Core</p> <ol style="list-style-type: none"> 1. Nature, Scope and Purpose of Geography 2. Concept of Earth's Surface 3. Place of Geog. In the classification of Science 4. Fundamental concept of Geography 5. Geog. In Ancient, Medieval and Modern Period 6. Contribution of Humboldt, Ritter, Ratzel and Blache 7. Career in Geography 8. Methods and Techniques in Geography 9. Physical VS Human Geography 10. German, French and British school of Geography 11. Determination, Possibilitism and Neo-determinism in Geog 12. GIS, GPS, Remote Sensing <p>Practical</p>	<p>Core</p> <ol style="list-style-type: none"> 1. Meaning, Nature and Scope of Human Geography 2. Welfare and Gender Approach 3. Classification and characteristics of races 4. Primitive people of Jharkahand - Oraon and Birhor 5. Classification and Regional Pattern of Rural Development 6. Migration and Urbanisation 7. Growth and Distribution of Population in the world <p>Practical</p> <ol style="list-style-type: none"> 1. Simple and Multiple Br Diagram 2. Pie Diagram and Line Graph 	<p>Core</p> <ol style="list-style-type: none"> 1. Nature and Scope of Human Geography 2. Meaning and approaches to Economic Geography 3. Man-Environmental Relationship 4. Resource Conservation 5. Types of Migration 6. Trends of Urbanisation 7. ASEAN, EEC <p>Practical</p> <p>Dot and Choropleth Method Importance of Lan Use Survey Bandgraph Ergograph</p>

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Session - 2023 - 2024

Semester Wise Detailed Report of Topics Covered By Department Professors

January 2024 To June 2024

SI No	Name of Professor	Topic Covered		
		Sem-2 (Theory / Practical)	Sem-4 (Theory/Practical)	Sem-6 (Theory/Practical)
1	Dr. K. P. Singh	<p>Core</p> <ol style="list-style-type: none"> 1. Origin of the earth with particular reference to Big Bang Theory, Geological Time Scale 2. Interior Structure of the Earth, Denudation, Weathering and Erosion 1. Glacial and Karst Topography, composition and Structure of Atmosphere. 4. Cyclone and Anticyclone, ocean-current and Tides, Salinity and coral Reef <p>Practical</p> <ol style="list-style-type: none"> 1. Construction of Profile 2. Construction of Scale (Simple) 3. Meaning of R.F. 4. Interpretation of Toposheet 5. Hythergraph and Climograph 	<p>Core</p> <ol style="list-style-type: none"> 1. Structure and Physiography of India, Climate and Clamatic Regions of India 2. Physiography and Relief of Jharkhand 3. Agricultrue System of India 4. Green Revolution 5. Natural resources in Jharkhand 6. Conventional and Non-Conventional evergy in India 7. Transport and Communication in Jharkhand 8. Foreign Trade of India 9. Problems of unreliability of Rainfall in India 10. Economy and Habitats of Santhal and Oraon <p>Practical</p> <ol style="list-style-type: none"> 1. Conical projection with one and two standard Parallel 2. Cylindrical equi-distant and equal-area Projection 3. Ring and Cube Diagram 4. Mean, Median, Mode 	<p>Core</p> <ol style="list-style-type: none"> 1. Meaning and components of Environment 2. Theories of Regional Development 3. Ecology, Ecosystem, Evolution of Regional Planning in India 4. Meaning and Causes of Environmental Degradation 5. Macro and Micro Planning regions of India 6. Acid Rain - cause and effects 7. Multi-level Planning <p>Practical</p> <ol style="list-style-type: none"> 1. Clinometer, sextant 2. Geographical Excursion 3. Importance of Field work in Geography 4. Cylindrical Equidistant and Equal-area protection