Department of Geography, 2019

Program Specific Outcome: (PSO)
Course outcome:

Semester	Code and title of the paper	Course Outcome
I	**GEO-CC-T4-101 Geomorphology**	Gives an idea about the Earth's interior and the concept of equal standing of the topographical features as well as the Mountain Building Theories and Evolution of Landforms.
	GEO-CC-P2-101 Morphometric Analysis	Gives some practical idea on types of scales and basin morphology.
	GEO-CC-T4-102 Human and Biogeography	To introduce the major themes of human geography and contemporary relevance. The students will also learn about the Space and Society as well as settlement types, patterns and world urbanization. In biogeography section student will know about the factors affecting the distribution of plants and animals and soil.
	GEO-CC-P2- 102 Toposheet Interpretation	Interpretation of Survey of India Toposheets and analysis of slopes.
II	**GEO-CC-T4-201 Climatology**	This paper helps students to aware of Atmospheric phenomena like Composition and Structure, Insolation and Temperature, Atmospheric Pressure and Winds, Atmospheric Moisture, Airmass, Fronts and Cyclones.
	GEO-CC-P2-201 Climatic Data Analysis	Study of Indian daily weather maps and graphs.
	GEO-CC-T4-202 North East India	This paper helps students to make familiar with the Geography of North East India as well as Assam. The student will learn about the Geology, Physiography, Drainage, Climate, Soil, Vegetation, People, Economy, Tourism, Transport as well as the Geo-political problems of NE India.
	GEO-CC-P2-202 Thematic mapping and Local Data Analysis	Practical on Thematic mapping and Local Data Analysis.
III	**GEO-CC-T4-301 Environmental Geography and Oceanography**	Gives an idea about the Environment and Ecosystem. Student can learn about the topics like Environmental Problems, Environmental Education and Sustainable Management of Environment. In Oceanography section they learn about Ocean Floor Topography, Currents, Salinity, Coral Reefs and Marine Deposits etc.
	GEO-CC-P2-301 Project Report on Biodiversity	Project Report on ecosystem or Biodiversity.
	GEO-CC-T4-302 Regional Planning and Development	This paper helps students to know about the Region, Regional planning, Changing Concept of Development, Concept of underdevelopment etc.
	GEO-CC-P2-302 Statistical Technique	Practical on Statistical Technique.
	GEO-CC-T4-303 Cartographic Technique	This paper helps students to know about the theories of varies Cartographic techniques like Map Projections as well as Thematic Mapping etc.

	GEO-CC-P2-303 **Map Projections**	Drawing and Analysis of Map Projections
	GEO-SE-P2-301 **Remote Sensing (Practical)**	Practical on Remote Sensing.
IV	GEO-CC-T4-401 **Geography of India**	This paper is helps the student familiar with Geography of India, Student can learn about the topics like Geology of India, Physiographic Divisions, Climate, Drainage, soil and vegetation, People and Economy as well as the Indian society.
	GEO-CC-P2-401 **Geological and Thematic Maps**	Interpretation of Geological Maps and Thematic Maps of India.
	GEO-CC-T4-402 **Economic Geography**	This paper helps students to know about the Concept of Resource, classification of economic activity.
	GEO-CC-P2-402 **Flow-line and Time Series analysis**	Exercises on Flow-line and Time Series analysis.
	GEO-CC-T4-403 **Statistical Methods in Geography**	This paper gives an idea about the Tabulation and Descriptive Statistics like Sampling, Correlation Probability and Normal Distribution eyc.
	GEO-CC-P2-403 **Advance Statistical Techniques**	Practical on Application of Measures of central tendencies in Geographical analysis, Application of Measures of dispersion, Correlation and Regression meythod and their application in Geographical analysis, Map showing Co-efficient of variations, Probability and Normal Curve.
	GEO-SE-P2-401 **Geographic Information System (Practical)**	Practical on Geographic Information System.
V	GEO-CC-T4-501 **Remote Sensing and GIS**	This paper gives an idea on Principles of Remote Sensing and GIS, Aerial Photography and Satellite Remote Sensing Types and Geometry of Aerial Photograph; EMR characteristics and Interaction with Atmosphere and Earth Surface; Satellites (Landsat and IRS) and Sensors, GIS Data Structures: Types (spatial and Non-spatial), Raster and Vector Data Structure, Image Processing and Data Analysis/Mapoutput: Geo-Referencing; Digitization/Editing and Output and Overlays, Interpretation and Application of Remote Sensing and GIS: Land use/ Land Cover, Urban Sprawl Analysis; Forests Monitoring etc.
	GEO-CC-P2-501 **Modern Cartographic Techniques**	Practical on Application of Remote Sensing Techniques.
	GEO-CC-T4-502 **Regional Geography of the World**	This paper helps to know the Physiography, climate, soil, vegetation, Mineral resources and Industrial development, Population distribution of Asia, Africa, Europe, North America, South America and Australia and special knowledge on Middle East, South East Asia and the Mediterranean Region.
	GEO-CC-P2-502	Students prepare a Research paper of their own locality

	Dissertation	individually.	
	GEO-DS-T4-501 **Social Geography**	This paper helps the students to know about the various aspects of Social Geography which includes Concept, Origin, Nature of Space, Social Change and Transformation, Social Categories: Caste, Class, Religion Language and their Spatial Distribution, Geographiy of Welfare and Well being, Concept and Components – Healthcare, Housing, Inclusion and Exclusion, Slums, Gated Communities, Communal Conflicts and Crime etc.	
	GEO-DS-P2-501 **Pattern Analysis**	Practical on Pattern Analysis.	
	GEO-DS-T4-502 **Agricultural Geography**	This paper help student to know about the Land use, land cover definition and classification, Determinants of Agriculture, Agricultural Regions of the World, Agricultural Systems of the World (Whittlesey's classification) and Agricultural Land use model (Von Thuenen, modification and relevance), Agricultural Modernisation and Revolutions in India: Green, White, Blue, Pink.	
	GEO-DS-P2-502 **Agro-Climatic Data Analysis**	Practical on Agro-Climatic Data Analysis.	
VI	**GEO-CC-T4-601** **Evolution of Geographical Thought**	This paper helps students to understand about Pre-Modern – Early Origins of Geographical Thinking with reference to the Classical and Medieval Philosophies, Modern – Evolution of Geographical Thinking and Disciplinary Trends in Germany, France, Britain, United States of America, Paradigms in Geography, Debates – Environmental Determinism and Possibilism, Systematic and Regional, Ideographic and Nomeothetic, Trends – Quantitative Revolution and its Impact, Behaviouralism, Systems Approach, Radicalism, Feminism; Towards Post Modernism – Changing Concept of Space in Geography, Future of Geography.	
	GEO-CC-P2-601 **Surveying and Levelling**	Practical on Surveying and Levelling.	
	GEO-CC-T4-602 **Disaster Management**	This paper give the idea on Disasters: Definition and Concepts, Classification of Hazards, Disasters; Risk and Vulnerability, Natural Disasters : a) Flood b) Earthquake and Tsunami c) Landslide d) Drought e) Cyclone, Manmade disasters a) Deforestation b) Dam construction c) Chemical Hazard d) Global Warming and Climate Change, Response and Mitigation to Disasters: Mitigation and Preparedness, NDMA and NIDM, Indigenous Knowledge and Community-Based Disaster Management; Do's and Don'ts During and Post Disasters.	
	GEO-CC-P2-602 **Project Report on Disaster Management**	Preparation of a Project Report based on any two field based case studies of disasters and one disaster preparedness plan of respective college or locality.	
	GEO-DS-T4-601 **Population Geography**	This paper helps to know about Defining the Field of population geography, Nature and Scope; Sources of Data	

		with special reference to India (Census, Vital Statistics and NSS), Population Size, Distribution and Growth – Determinants and Patterns; Theories of Growth – Malthusian Theory and Demographic Transition Theory, Population Dynamics: Fertility, Mortality and Migration, Determinants and Implications, Population Composition and Characteristics – Age-Sex Composition; Rural and Urban Composition; Literacy, Working and Non-working population composition, Population-Resource Relationship: Over, Optimum and Under Population, Contemporary Issues – Ageing of Population; Declining Population; HIV/AIDS, Drugs addiction.
	GEO-DS-P2-601 **Population data Analysis**	Practical on Population data studies.
	GEO-DS-T4-602 **Political Geography**	This paper help to know about the Concepts, Nature and Scope of Political Geography, State, Concept of Nation and State, Frontiers, Boundaries, Shape, Size, Territory and Sovereignty, Concept of Nation State; Geopolitics; Theories (Heartland and Rimland), Geography of Voting, Geographic Influences on Voting pattern, Geography of Representation, Gerrymandering, Political Geography of Resource Conflicts – Water Sharing Disputes, Boundary disputes, Disputes and Conflicts Related to Forest Rights and Minerals, Politics of Displacement: Issues of relief, compensation and rehabilitation: with reference to Dams and Special Economic Zones etc.
	GEO-DS-P2-602 **Geopolitical Situation Analysis**	Practical on Geopolitical Situation Analysis

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