## Syllabus Distribution (CBCS) Department Geography Malda College Semester-IV (Honours), 2024

PAPERS	UNITS	TEACHER'S
	<ol> <li>Concept, Types and delineation of regions.</li> <li>Types of planning, tools and techniques of planning, principles, needs and objectives of regional planning and multi- level planning in India</li> <li>Concepts of metropolitan areas and urban agglomerations</li> <li>Development: Meaning and Concept of regional development with reference to India, Indicators (Economic, social and environmental) of development, growth versus development</li> </ol>	MFR
DC-8A	5.Growth pole model of Perroux, growth centre model and Cumulative causation (Myrdal) and core periphery (Hirschman, Rostov and Friedman) theories for regional development 6. Strategies of regional development with reference to India, Need and measures for balanced development in India, Regional inequality, disparity and diversity	AR
DC-8B	<ol> <li>Delineation of formal region: Weighted index number</li> <li>Delineation of functional region: Gravity Analysis (Reilly's)</li> </ol>	MFR
	3. Measuring regional disparity: Lorenz curve, Gini Coefficient and Simson's method	AR
DC-9A	<ol> <li>Meaning, Concepts and approaches of Economic Geography, concepts of goods, services, production, exchange and consumption, GATT, OPEC</li> <li>Concept of economic man, theories of choices</li> <li>Economic distance, transport costs, Transnational sea-routes, railways and highways with reference to India.</li> </ol>	LDT
	4. Concept and classification of economic activities, factors affecting location of economic activity with special reference to agriculture (Von Thunen), and industry (Weber)	СВ

	5. Primary activities: Subsistence (paddy) and commercial agriculture (tea), forestry (lumbering), fishing (India: inland and coastal ) and mining (coal, iron in India); Secondary activities: Manufacturing (cotton textile and iron and steel), Special economic zones (SEZ) and technology parks (India); Tertiary activities: transport-types and importance, trade (e-commerce) Quaternary and Quinary-concept 6. Liberalization, privatization, globalization and Indian economy	NK
DC-9B	<ol> <li>Agricultural Efficiency Analysis: Kendal's Method</li> <li>Measuring transport accessibility: Konig and Shimbel index</li> </ol>	NK
	3. Comparison of spatial industrial development: Location quotient and Geographical association	LDT
DC-10A	<ul> <li>1.Geographers' approach to environmental studies, concept of holistic environment and system approach</li> <li>2. Perception of environment in different stages of civilization</li> </ul>	MFR
	3. Concept, structure and functions of ecosystem	AD
	<ul> <li>4. Environmental pollution and degradation (Land, water and air), Space-time hierarchy of environmental problems (Local, regional and global)</li> <li>5. Urban environmental issues with special reference to waste management</li> </ul>	LDT
	6. Environmental programmes and policies - Global, national and local levels	MR
DC-10B	<ol> <li>Preparation of check-list for Environmental Impact Assessment of an urban / industrial project</li> <li>Determination of soil type by ternary diagram textural plotting</li> <li>Quality assessment of water using lab kit: pH and TDS</li> </ol>	MR

## Syllabus Distribution (CBCS) Department Geography Malda College Semester-IV (General), 2024

Paper	Topics	Teacher's Name
DC4A Economic Geography	<ol> <li>Concept of economic activities and sectors of economy: primary, secondary, tertiary, quaternary and quinary; Resource: Definition, classification, resource conservation.</li> <li>Forest Resource: Importance, conservation; Concept of social forestry and agro-forestry.</li> </ol>	AD
	3. Agriculture: Intensive rice cultivation (Asia); Plantation agriculture: Tea (India).	СВ
	4. Power: Coal, Petroleum (distribution and use); Non-conventional: Wind, Solar (distribution and use); Industries: Iron and Steel (India); Cotton Textile (India).	СБ
DC4B -Practical	1. Cartograms showing statistical data: Simple and compound Bar Diagram, Proportional circles, pie and proportional divided circle and proportional squares.	AD
	2. Map Projection: Simple conical projection with one standard parallel, cylindrical equal area projection and Gnomonic projection (polar case)	СВ
SEC-1 Remote Sensing and Geographical Information	<ol> <li>Remote Sensing: Definition, stages, advantages and limitations, applications, energy Source: Shortwave &amp; Long wave EMR.</li> <li>Remote Sensing Platforms: Ground, Air and Space Bourne Platforms, Sun-synchronous and Geostationary satellites.</li> </ol>	NK
System	3. Definition of Aerial Photographs, Types. Keys of visual interpretation of Aerial Photo and Satellite Imageries. use, advantages and limitations of satellite imageries. 4. G.I.S.: Definition, components, application, advantages and limitations.	MFR