

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

| PAPERS | UNITS                                                                                                                                                                                                                                                                                                                                                                                                                                             | TEACHER'S |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| DC-8A  | 1. Concept, Types and delineation of regions.<br>2. Types of planning, tools and techniques of planning, principles, needs and objectives of regional planning and multi- level planning in India<br>3. Concepts of metropolitan areas and urban agglomerations<br>4. Development: Meaning and Concept of regional development with reference to India, Indicators (Economic, social and environmental) of development, growth versus development | MFR       |
|        | 5. Growth pole model of Perroux, growth centre model and Cumulative causation (Myrdal) and core periphery (Hirschman, Rostov and Friedman) theories for regional development<br>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  | 1. Delineation of formal region: Weighted index number<br>2. Delineation of functional region: Gravity Analysis (Reilly's)                                                                                                                                                                                                                                                                                                                        | MFR       |
|        | 3. Measuring regional disparity: Lorenz curve, Gini Coefficient and Simson's method                                                                                                                                                                                                                                                                                                                                                               | AR        |
| DC-9A  | 1. Meaning, Concepts and approaches of Economic Geography, concepts of goods, services, production, exchange and consumption, GATT, OPEC<br>2. Concept of economic man, theories of choices<br>3. Economic distance, transport costs, Transnational sea-routes, railways and highways with reference to India.                                                                                                                                    | LDT       |
|        | 4. Concept and classification of economic activities, factors affecting location of economic activity with special reference to agriculture (Von Thunen), and industry (Weber)                                                                                                                                                                                                                                                                    | CB        |

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|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|        | <p>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</p> <p>6. Liberalization, privatization, globalization and Indian economy</p> | NK  |
| DC-9B  | <p>1. Agricultural Efficiency Analysis: Kendal's Method</p> <p>2. Measuring transport accessibility: Konig and Shimbel index</p>                                                                                                                                                                                                                                                                                                                                                                      | NK  |
|        | 3. Comparison of spatial industrial development: Location quotient and Geographical association                                                                                                                                                                                                                                                                                                                                                                                                       | LDT |
| DC-10A | <p>1. Geographers' approach to environmental studies, concept of holistic environment and system approach</p> <p>2. Perception of environment in different stages of civilization</p>                                                                                                                                                                                                                                                                                                                 | MFR |
|        | 3. Concept, structure and functions of ecosystem                                                                                                                                                                                                                                                                                                                                                                                                                                                      | AD  |
|        | <p>4. Environmental pollution and degradation (Land, water and air), Space-time hierarchy of environmental problems (Local, regional and global)</p> <p>5. Urban environmental issues with special reference to waste management</p>                                                                                                                                                                                                                                                                  | LDT |
|        | 6. Environmental programmes and policies – Global, national and local levels                                                                                                                                                                                                                                                                                                                                                                                                                          | MR  |
| DC-10B | <p>1. Preparation of check-list for Environmental Impact Assessment of an urban / industrial project</p> <p>2. Determination of soil type by ternary diagram textural plotting</p> <p>3. Quality assessment of water using lab kit: pH and TDS</p>                                                                                                                                                                                                                                                    | MR  |

**Syllabus Distribution (CBCS)**  
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**Semester-IV (General), 2024**

| Paper                                                           | Topics                                                                                                                                                                                                                                                                      | Teacher's Name |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>DC4A Economic Geography</b>                                  | 1. Concept of economic activities and sectors of economy: primary, secondary, tertiary, quaternary and quinary; Resource: Definition, classification, resource conservation.<br>2. Forest Resource: Importance, conservation; Concept of social forestry and agro-forestry. | AD             |
|                                                                 | 3. Agriculture: Intensive rice cultivation (Asia); Plantation agriculture: Tea (India).                                                                                                                                                                                     | CB             |
|                                                                 | 4. Power: Coal, Petroleum (distribution and use); Non-conventional: Wind, Solar (distribution and use); Industries: Iron and Steel (India) ; Cotton Textile (India).                                                                                                        |                |
| <b>DC4B -Practical</b>                                          | 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)                                                                                                                             | CB             |
| <b>SEC-1 Remote Sensing and Geographical Information System</b> | 1. Remote Sensing: Definition, stages, advantages and limitations, applications, energy Source: Shortwave & Long wave EMR.<br>2. Remote Sensing Platforms: Ground, Air and Space Bourne Platforms, Sun-synchronous and Geostationary satellites.                            | NK             |
|                                                                 | 3. Definition of Aerial Photographs, Types. Keys of visual interpretation of Aerial Photo and Satellite Imageries. use, advantages and limitations of satellite imageries.<br>4. G.I.S.: Definition, components, application, advantages and limitations.                   | MFR            |