



# গড়গাঁও মহাবিদ্যালয় GARGAON COLLEGE



Course Distribution  
Department of Geography  
2023-24



গড়গাঁও মহাবিদ্যালয়  
GARGAON COLLEGE  
NAAC accredited with 'B' Grade

**COURSE DISTRIBUTION REPORT  
DEPARTMENT OF GEOGRAPHY  
SESSION: 2023-24  
ODD SEMESTER**

**Notice:**



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GARGAON COLLEGE  
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**Department of Geography, Gargaon College**

**Notice**

**Date: 1.8.2023**

This notice outlines the class and unit distribution and course assignments for all faculties of the Geography Department regarding odd Semester (July to December, 2023). A detailed list of courses and Units assigned to each faculty member is attached with this notice.

*Dr. Dilip Kumar Deka*  
Associate Professor & HOD  
Dept. of Geography  
Gargaon College

**Head, Department of Geography**



**DISTRIBUTION OF COURSES**  
**UG PROGRAMME**  
**HONOURS (FYUGP)**  
**Odd Semester**

Odd Semester				
Unit Wise Distribution (July 2023- December 2023)				
HONOURS (FYUGP)				
Semester	Course Title and Code	Unit	Title	Faculty
FYUP 1 <sup>st</sup>	GEOMORPHOLOGY GGRC1	1	Introduction to Geomorphology	Monurama Phukon
		2	Geomorphic Processes (Endogenetic)	Dr. Dilip Kumar Deka
		3	Geomorphic Processes (Exogenetic)and Evolution of Landforms	Rejina Bora
		4	Practical	Dr. Dilip Kumar Deka
FYUP (1st Semester) Minor				
FYUP Minor (1st Semester)	GEOMORPHOLOGY AND OCEANOGRAPHY MINGGR1	1	Introduction to Geomorphology and Oceanography	Monurama Phukon
		2	Geomorphic Processes (Endogenetic and Exogenetic)	Rejina Bora
		3	Salinity, Waves, Tides and Currents	Rejina Bora
		4	Practical	Monurama Phukon
FYUP (1st Semester) Generic Elective				
FYUP (1st Semester) Generic Elective	PHYSICAL GEOGRAPHY GECGGR1A	1	Introduction to Physical Geography	Monurama Phukon
		2	Atmosphere	Dr. Dilip Kumar Deka
		3	Lithosphere and Biosphere	Dr. Dwijen Nath



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			Hydrosphere	Rejina Bora
FYUP (1st Semester) Skill Enhancement Course (SEC)				
FYUP (1st Semester) Skill Enhancement Course (SEC)	DISASTER MANAGEMENT SEC106	1	Disasters	Kamal Das
		2	Disasters in India	Kamal Das
		3	Response and Mitigation to Disasters	Dr. Rituraj Neog
		4	Field Work	Dr. Rituraj Neog
FYUP (1st Semester) Value Added Course (VAC)				
Semester	Course Title and Code	Unit	Title	Faculty
FYUGP(1 <sup>st</sup> Semester) Value Added Course	HEALTH & WELLNESS VAC2	1	INTRODUCTION TO HEALTH & WELLNESS	Dr. Dilip Kumar Deka
		2	MIND – BODY AND WELL-BEING	Dr. Dilip Kumar Deka

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## DISTRIBUTION OF COURSES

### UG PROGRAMME

### CBCS, Odd Semester

Odd Semester				
Unit Wise Distribution (July 2023- December 2023)				
CBCS (MAJOR)				
Semester	Course Title and Code	Unit	Title	Faculty
3 <sup>rd</sup>	<b>C5: CARTOGRAPHY (THEORY) GGRM 301T4</b>	1	History of development of map projections, classification and use of different types of map projections, Choice of map projection	Dr. Dwijen Nath
		2	Basic principles of surveying and their necessity in Geography : Vertical and horizontal controls	Dr. Dwijen Nath
		3	Surveying and leveling: i) Plane table surveying – different methods ii) Prismatic compass surveying – closed and open traverse, calculation of included angles, correction of bearing, omitted measurement iii) Theodolite traversing – measurement of heights iv) Levelling – different types	Dr. Dilip Kumar Deka
	<b>C5: CARTOGRAPHIC TECHNIQUES (PRACTICAL) GGRM 302P2</b>	1	Projection: Conical One Standard, Bonne's and Polyconic Cylindrical; Equal Area, Equidistant, Galls Stereography and Mercator projection	Dr. Dwijen Nath Dr. Dilip Kumar Deka
	<b>C6: REGIONAL GEOGRAPHY OF WORLD (THEORY) GGRM302T6</b>	1	Physiography, climate, soil and vegetation of Asia, Africa, Europe, North America	Dr. Rituraj Neog
		2	Mineral resources and industrial development of the developed, developing and the underdeveloped countries	Dr. Rituraj Neog
		3	Distribution of population of World	Rejina Bora
		4	Regional studies of Middle East and South East Asia and the Mediterranean region	Manurama Phukon



	<b>C7: STATISTICAL METHODS IN GEOGRAPHY (THEORY) GGRM 303T6</b>	1	Use of Data in Geography: Geographical Data Matrix, Significance of Statistical Methods in Geography; Sources of Data, Scales of Measurement (Nominal, Ordinal, Interval, Ratio)	Dr. Dilip Kumar Deka
		2	Tabulation and Descriptive Statistics: Frequencies (Deciles, Quartiles), Cross Tabulation, Central Tendency (Mean, Median and Mode, Centro-graphic Techniques, Dispersion (Standard Deviation, Variance and Coefficient of Variation)	Dr. Dilip Kumar Deka
		3	Sampling: Purposive, Random, Systematic and Stratified.	Dr. Dilip Kumar Deka
		4	Theoretical Distribution: Probability and Normal Distribution.	Dr. Rituraj Neog
		5	Association and Correlation: Rank Correlation, Product Moment Correlation, and Simple Regression, Residuals from regression	Dr. Rituraj Neog
5 <sup>th</sup>	<b>C11: REGIONAL PLANNING AND DEVELOPMENT (THEORY) GGRM 501T4</b>	1	Definition of Region, Evolution and Types of Regional planning: Formal, Functional, and Planning Regions and Regional Planning; Need for Regional Planning; Types of regional Planning	Manurama Phukon
		2	Choice of a Region for Planning: Characteristics of an Ideal Planning Region; Delineation of Planning Region; Regionalization of India for Planning (Agro Ecological Zones)	Manurama Phukon
		3	Theories and Models for Regional Planning: Growth Pole Model of Perroux; Growth Centre Model in Indian Context; Myrdal, Hirschman, Rostow and Friedmann; Village Cluster	Dr. Rituraj Neog
		4	Changing Concept of Development, Concept of underdevelopment; Efficiency-Equity Debate	Dr. Rituraj Neog





		5	Measuring development: Indicators (Economic, Social and Environmental); Human development.	Dr. Rituraj Neog
	<b>C11: REGIONAL PLANNING AND DEVELOPMENT (PRACTICAL) GGRM 501P2</b>	1	Methods of regionalization: a) Simple ranking method b) Mean method c) Z- Score standardization	Dr. Rituraj Neog
		2	Resource disparity map: a) Power resource (Hydel, Thermal, Nuclear) b) Mineral resources (coal, iron ore )	Dr. Rituraj Neog
	<b>C12: POPULATION GEOGRAPHY (THEORY) GGRM502T4</b>	1	Defining the Field – Nature and Scope; Sources of Data with special reference to India (Census, Vital Statistics and NSS).	Dr. Dwijen Nath
		2	Population Size, Distribution and Growth – Determinants and Patterns; Theories of Growth – Malthusian Theory and Demographic Transition Theory.	Dr. Dwijen Nath
		3	Population Dynamics: Fertility, Mortality and Migration – Measures, Determinants and Implications.	Dr. Dilip Kumar Deka
		4	Population Composition and Characteristics – Age-Sex Composition; Rural and Urban Composition; Literacy	Dr. Dilip Kumar Deka
		5	Contemporary Issues – Ageing of Population; Declining Sex Ratio; HIV/AIDS.	Dr. Dilip Kumar Deka
	<b>C12: POPULATION GEOGRAPHY (PRACTICAL) GGRM 502P2</b>	1	Statistical Data representation Part I a) Near neighbour analysis b) Principle component analysis – Water, Fisher and Nelson c) Traffic flow and isochronic cartograms	Dr. Rituraj Neog
		2	Statistical Data representation Part II a) Location quotient analysis b) Lorenz curve	Dr. Dilip Kumar Deka
		3	Distribution of population a) India, Assam( by simple dot method)	Manurama Phukon



		4	Density of population a) India and Assam ( choropleth method)	Manurama Phukon
	<b>DSE 1 (6 C): SETTLEMENT GEOGRAPHY GGRM DSE501AT6</b>	1	Settlement: Concept, classification, distribution and the changing relationship with the environment.	Rejina Borah
		2	Rural settlement: evolution, site and situational factors and patterns and types.	Rejina Borah
		3	Urban settlement: growth, functional classification of Towns.	Rejina Borah
		4	Hierarchy of settlement.	Rejina Borah
		5	Christaller’s and August Losch Theory of Market Center	Rejina Borah
	<b>DSE 2 (6 C): AGRICULTURAL GEOGRAPHY GGRM DSE501B T6</b>	1	Defining the Field: Introduction, nature and scope; Land use/ land cover definition and classification.	Dr. Dilip Kumar Deka
		2	Determinants of Agriculture: Physical, Technological and Institutional	Dr. Dilip Kumar Deka
		3	Agricultural Regions of India: Agroclimatic, Agro-ecological & Crop Combination Regions.	Dr. Dilip Kumar Deka
		4	Agricultural Systems of the World (Whittlesey’s classification) and Agricultural Land use model (Von Thuenen, modification and relevance)	Rejina Borah
		5	Agricultural Revolutions in India: Green, White, Blue, Pink.	Monurama Phukon
<b>ELECTIVE GENERIC (GE) (6C) GENERAL STRUCTURE</b>				
3 <sup>rd</sup>	<b>GE 3: RURAL DEVELOPMENT GGRM GE301BT6</b>	1	Defining Development: Inter-Dependence of Urban and Rural Sectors of the Economy; Need for Rural Development, Gandhian Approach of Rural Development	Monurama Phukon
2		Rural Economic Base: Panchayatiraj System, Agriculture and Allied Sectors, Seasonality and Need for Expanding NonFarm Activities, Co-opera	Monurama Phukon	
3		Area Based Approach to Rural Development: Drought Prone Area Programmes, PMGSY.	Dr. Dilip Kumar Deka	
4		Target Group Approach to Rural Development: SJSY, MNREGA,	Dr. Dilip Kumar Deka	





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			Jan Dhan Yojana and Rural Connectivity.	
		5	Provision of Services – Physical and SocioEconomic Access to Elementary Education and Primary Health Care and Micro credit	Monurama Phukon

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## DISTRIBUTION OF COURSES

### PG PROGRAMME

#### CBCS, Odd Semester

Odd Semester				
Unit Wise Distribution (July 2023- December 2023)				
Post- Graduate				
Semester	Course Title and Code	Unit	Title	Faculty
1 <sup>st</sup> Sem	GEOMORPHOLOGY GG1C1	1	Development of Geomorphic Ideas	Dr. Dilip Kumar Deka
		2	Fundamental Concepts in Geomorphology	Rejina Borah
		3	Geomorphic Process	Kamal Das
		4	Morphometric analysis	Kamal Das
	CLIMATOLOGY GG1C2	1	Basic concept of weather, climate and atmosphere	Dr. Dilip Kumar Deka
		2	Basic concepts in heat, atmospheric Temperature & Hydrological Cycle	Rejina Borah
		3	Atmospheric circulation	Dr. Rituraj Neog
		4	Atmospheric processes	Monurama Phukon
	PRACTICALS ON MORPHOMETRIC TECHNIQUES AND THEMATIC MAPPING GG1C3	1	Representation of Relief and Analysis	Dr. Rituraj Neog
		2	Analysis of Basin Morphometry (based on Horton’s and Strahler’s	Dr. Rituraj Neog, Dr. Dilip Kumar Deka, Kamal Das, Rejina Borah
		3	Thematic Mapping and Preparation of Graphs.	Dr. Dwijen Nath, Monurama Phukon
		4	Mapping Landscapes	Kamal Das
DISCIPLINE-SPECIFIC ELECTIVE (DSE) (CORE COURSE)				
Semester	Course Title and Code	Unit	Title	Faculty
1 <sup>st</sup> Sem	GEOGRAPHY OF RESOURCES AND ECONOMIC DEVELOPMENT GG1D2	1	Conceptual parameters of Resources	Dr. Dilip Kumar Deka, Dr. Dwijen Nath
		2	Utilization of Resources	Kamal Das



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		3	Geography of Economic Development	Rejina Borah
		4	Geography of Economic Activity.	Dr. Rituraj Neog, Monurama Phukan
ABILITY ENHANCEMENT COMPULSORY COURSE (SEC) (2c)				
Semester	Course Title and Code	Unit	Title	Faculty
1 <sup>st</sup> Sem	APPLICATION OF RS / UAV IN GEO-SPATIAL ANALYSIS GG1A1	1	FUNDAMENTALS AND APPLICATION OF REMOTE SENSING	Dr. Rituraj Neog, Kamal Das
		2	INTRODUCTION TO UAV AND APPLICATIONS OF UAV	Kamal Das

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**COURSE DISTRIBUTION REPORT  
DEPARTMENT OF GEOGRAPHY  
SESSION: 2023-24  
EVEN SEMESTER**

**Notice:**



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**Department of Geography, Gargaon College**

**Notice**

**Date: 1.1.2024**

This notice outlines the class and unit distribution and course assignments for all faculties of the Geography Department regarding Even Semester (January to June, 2024). A detailed list of courses and Units assigned to each faculty member is attached with this notice.

**Dr. Dilip Kumar Deka**  
Associate Professor & HOD  
Dept. of Geography  
Gargaon College

**Head, Department of Geography  
Gargaon College**



**DISTRIBUTION OF COURSES**  
**UG PROGRAMME**  
**HONOURS (FYUGP), Even Semester**

Even Semester Unit Wise Distribution (January 2024- June 2024)				
HONOURS (FYUGP)				
Semester	Course Title and Code	Unit	Title	Faculty
FYUP (2 <sup>nd</sup> Semester)	Climatology GGRC2	1	Atmospheric Temperature and Insolation	Dr. Rituraj Neog
		2	Atmospheric pressure and winds	Kamal Das
		3	Atmospheric Moisture, Weather and Climate	Rejina Borah, Susmita Roy Karmakar
		4	Practical	Monurama Phukon, Rejina Borah
FYUGP (2 <sup>nd</sup> Semester) Minor				
FYUP Minor (2 <sup>nd</sup> Semester)	CLIMATOLOGY AND BIOGEOGRAPH MINGGR2	1	Introduction to Climatology	Dr. Dilip Kumar Deka
		2	Atmospheric Pressure and Winds	Dr. Rituraj Neog, Kamal Das
		3	Introduction to Biogeography	Rejina Borah, Susmita Roy Karmakar
		4	Practical	Monurama Phukon, Rejina Borah
FYUP (2 <sup>nd</sup> Semester) Generic Elective				
FYUP (2 <sup>nd</sup> Semester) Generic Elective	FUNDAMENTALS OF ECONOMIC GEOGRAPHY GECGGR2B	1	Introduction to Economic Geography	Susmita Roy Karmakar
		2	Introduction to Resources	Rejina Borah
		3	Economic Activities	Rejina Borah
		4	Locational Theories	Susmita Roy Karmakar
FYUGP (2 <sup>nd</sup> Semester) Skill Enhancement Course (SEC)				
FYUP (2 <sup>nd</sup> Semester) Skill Enhancement Course	MAP PROJECTION AND CARTOGRAPHIC TECHNIQUES SEC206	1	Introduction to Map Projection	Dr. Dilip Kumar Deka
		2	Construction, Properties, Merits, Demerits	Dr. Dilip Kumar Deka
		3	Preparation of Maps and Graphs	Monurama Phukon



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(SEC)		4	Surveying and Digital Cartography	Dr. Dilip Kumar Deka
<b>FYUGP (2<sup>nd</sup> Semester) Value Added Course (VAC)</b>				
<b>Semester</b>	<b>Course Title and Code</b>	<b>Unit</b>	<b>Title</b>	<b>Faculty</b>
<b>FYUGP(2<sup>nd</sup> Semester) Value Added Course</b>	<b>ENVIRONMENTAL SCIENCE VAC3</b>	1	Environmental Science	Kamal Das, Sushmita Roy Karmakar
		2	Environmental Degradation	Kamal Das, Sushmita Roy Karmakar

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# DISTRIBUTION OF COURSES

## UG PROGRAMME

### CBCS, Even Semester

Even Semester Unit Wise Distribution ( January 2024- June 2024)				
CBCS (MAJOR)				
Semester	Course Title and Code	Unit	Title	Faculty
4 <sup>TH</sup> SEM	<b>C8: ECONOMIC GEOGRAPHY</b> <b>GGRM401T6</b>	1	Introduction: Concept and classification of economic activity	Monurama Phukon
		2	Factors Affecting location of Economic Activity with special reference to Agriculture (Von Thunen theory), Industry (Weber's theory).	Monurama Phukon
		3	Primary Activities: Subsistence and Commercial agriculture, forestry, fishing and mining	Rejina Borah
		4	Secondary Activities: Manufacturing (Cotton Textile, Iron and Steel), Concept of Manufacturing Regions, Special Economic Zones and Technology Parks	Dr. Dilip Kumar Deka
		5	Tertiary Activities: Transport, Trade and Services	Susmita Roy Karmakar
	<b>C9: ENVIRONMENTAL GEOGRAPHY</b> <b>GGRM402T6</b>	1	Environmental Geography – Concept and Scope	Dr. Dilip Kumar Deka
		2	Human-Environment Relationships – Historical Progression, Adaptation in different Biomes.	Rejina Borah
		3	Ecosystem – Concept, Structure and Functions	Susmita Roy Karmakar
		4	Environmental Problems in Tropical, Temperate and Polar Ecosystems	Dr. Dilip Kumar Deka
		5	Environmental Programs and Policies – Global, National and Local levels	Rejina Borah
	<b>C10: REMOTE SENSING AND GIS</b> <b>GGRM403T4</b>	1	Historical Development of remote sensing as a technology-Relevance of remote sensing in Geography	Dr. Rituraj Neog
		2	Concept and basics: Energy source, energy and radiation principles	Dr. Rituraj Neog
		3	Energy interactions in the atmosphere and earth's surface features.	Dr. Rituraj Neog
		4	Remote sensing systems: platforms, sensors and radiations records.	Dr. Rituraj Neog
	<b>C10: REMOTE SENSING AND GIS (PRACTICAL)</b>	1	Remote Sensing and GIS: Definition and Components, Development, Platforms and Types	Kamal Das



6 <sup>TH</sup> SEM	<b>GGRM403P2</b>	2	Aerial Photography and Satellite Remote Sensing: Principles, Types and Geometry of Aerial Photograph; Principles of Remote Sensing, EMR Interaction with Atmosphere and Earth Surface; Satellites (Landsat and IRS) and Sensors.	Dr. Rituraj Neog
		3	GIS Data Structures: Types (spatial and Nonspatial), Raster and Vector Data Structure	Kamal Das
		4	Image Processing (Digital and Manual) and Data Analysis: Pre-processing (Radiometric and Geometric Correction), Enhancement (Filtering); Classification (Supervised and Unsupervised), Geo-Referencing; Editing and Output; Overlay	Dr. Rituraj Neog / Kamal Das
		5	Interpretation and Application of Remote Sensing and GIS: Land use/ Land Cover, Urban Sprawl Analysis; Forests Monitoring	Kamal Das
	<b>C13: EVOLUTION OF GEOGRAPHICAL THOUGHT GGRM601T6</b>	1	Paradigms in Geography	Dr. Dilip Kumar Deka
		2	Pre-Modern – Early Origins of Geographical Thinking with reference to the Classical and Medieval Philosophies	Dr. Dilip Kumar Deka
		3	Modern – Evolution of Geographical Thinking and Disciplinary Trends in Germany, France, Britain, United States of America.	Kamal Das
		4	Debates – Environmental Determinism and Possibilism, Systematic and Regional, Ideographic and Nomeothetic.	Rejina Borah
		5	Trends – Quantitative Revolution and its Impact, Behaviouralism, Systems Approach, Radicalism, Feminism; Towards Post Modernism – Changing Concept of Space in Geography, Future of Geography.	Rejina Borah
	<b>C14: DISASTER MANAGEMENT BASED PROJECT WORK GGRM602T6</b>	1	Unit –I: Disaster Management based Project work (Practical)	Dr. Rituraj Neog
		2	Unit- II : Field Survey	Dr. Rituraj Neog
	<b>C14: : DISASTER MANAGEMENT GGRM602T6</b>	1	Disasters: Definition and Concepts: Hazards, Disasters; Risk and Vulnerability; Classification	Dr. Rituraj Neog



		2	Disaster in India: Flood, Landslide, Drought, Earthquake and Tsunami, Cyclone: Causes, Impact and Distribution	Dr. Rituraj Neog
		3	Manmade Disasters: Causes, Impact and Distribution	Dr. Rituraj Neog
		4	Response and Mitigation to Disasters: Mitigation and Preparedness, NDMA and NIDM; Indigenous Knowledge and Community-Based Disaster Management; Do's and Don't during and Post Disaster	Dr. Rituraj Neog
<b>ELECTIVE DISCIPLINE SPECIFIC (DSE)</b>				
<b>6<sup>th</sup> SEM</b>	<b>DSE3: POLITICAL GEOGRAPHY GGRMDSE601BT6</b>	1	Introduction: Concept, Nature and Scope	Sushmita Roy Karmakar
		2	State, Nation and Nation-State- Concept of Nation and State, Attributes of State- frontiers, Boundaries, shape, size, territory and sovereignty, Concept of Nation-State; Geopolitics; Theories (Heartland and Rimland)	Kamal Das
		3	Electoral Geography- Geography of Voting, Geographic Influences on Voting pattern, Geography of Representation, Gerrymandering	Susmita Roy Karmakar
		4	Political Geography of Resource Conflicts- Water Sharing Disputes, Disputes and Conflicts Related to Forest Rights and Minerals	Susmita Roy Karmakar
		5	Politics of Displacement: Issues of relief, compensation and rehabilitation: with reference to Dams and Special Economic Zones	Rejina Borah
	<b>DSE4: SOCIAL GEOGRAPHY GGRM DSE 602BT6</b>	1	Social Geography: Concept, Origin, Nature and Scope.	Monurama Phukon
		2	Peopling Process of India: Technology and Occupational Change; Migration	Rejina Borah
		3	Social Categories: Caste, Class, Religion, Race and Gender and their Spatial distribution	Rejina Borah, Susmita Roy Karmakar
		4	Geographies of Welfare and Well-being: Concept and Components – Healthcare, Housing and Education.	Monurama Phukon
		5	Social Geographies of Inclusion and Exclusion, Slums, Gated Communities, Communal Conflicts and Crime.	Rejina Borah



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ELECTIVE GENERIC (GE) (6C) GENERAL STRUCTURE				
4 <sup>th</sup> SEM	<b>GE4: INDUSTRIAL GEOGRAPHY</b> <b>GGRM GE401AT6</b>	1	Nature and Scope of Industrial Geography	Monurama Phukon
		2	Types, Geographical Characteristics and Location of Industries (Weber's Theory): Small and Medium Industries, Heavy Industries: Coal and Iron based industries, Rural based Industries, Footloose Industry.	Monurama Phukon
		3	Mega Industrial Complexes: National Capital Region, Mumbai-Pune Industrial Region, Bengaluru-Chennai Industrial Region and Chota Nagpur Industrial Region	Susmita Roy Karmakar
		4	Impact of Industrialisation in India: Environmental; Social and Economic	Susmita Roy Karmakar
		5	Industrial Policy of India	Rejina Borah

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## DISTRIBUTION OF COURSES

### PG PROGRAMME

#### CBCS, Even Semester

Even Semester Unit Wise Distribution (January 2024- June 2024)				
Post- Graduate				
Semester	Course Title and Code	Unit	Title	Faculty
2 <sup>nd</sup> SEM	SOCIAL GEOGRAPHY OF INDIA GG2C1	1	An Introduction to Social Geography	Monurama Phukon
		2	Caste and Tribe in India	Monurama Phukon
		3	Religions In India	Rejina Borah
		4	Language In India	Rejina Borah
	FUNDAMENTALS OF GEOINFORMATICS GG2C2	1	Fundamentals & Physics of Remote Sensing	Dr. Dilip Kumar Deka
		2	Platforms and Sensors	Dr. Rituraj Neog
		3	Digital Image Processing And Information Extraction from Satellite Images	Dr. Rituraj Neog, Kamal Das
		4	Fundamentals of Geographic Information System	Kamal Das
	PRACTICALS ON SURVEYING AND SPATIAL PATTERNS GG2C3	1	Surveying by Dumpy’s and Theodololite	Dr. Dilip Kumar Deka
		2	Measures of Spatial pattern	Susmita Roy Karmakar, Rejina Borah
		3	Field survey method.	Rejina Borah
		4	Practical notebook and viva voce	
DISCIPLINE-SPECIFIC ELECTIVE (DSE) (CORE COURSE)				
Semester	Course Title and Code	Unit	Title	Faculty
2 <sup>nd</sup> SEM	FUNDAMENTALS OF REGIONAL PLANNING  GG2D1	1	Regional Concept in Geography	Monurama Phukon
		2	Concept of Regional Planning	Monurama Phukon
		3	Methods and Techniques of Regional Planning	Rejina Borah
		4	Regions for Planning	Susmita Roy Karmakar
	FUNDAMENTALS OF FLUVIAL GEOMORPHOLOGY GG2D2	1	Introduction to Fluvial Geomorphology.	Dr. Dilip Kumar Deka
		2	Drainage basin as a fluvial system.	Dr. Dilip Kumar Deka
		3	Channel processes	Kamal Das
		4	Channel patterns	Kamal Das
GENERIC ELECTIVE (GE) (4c)				
Semester	Course Title and Code	Unit	Title	Faculty



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2 <sup>nd</sup> SEM	CLIMATOLOGY AND OCEANOGRAPHY GG2G2	1	Basic concepts in Climatology & Hydrological Cycle	Susmita Roy Karmakar
		2	Atmospheric Circulation	Susmita Roy Karmakar
		3	Physical and Chemical properties of Sea Water	Susmita Roy Karmakar
		4	Dynamics of the Marine environment	Susmita Roy Karmakar

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