

B.A/B.SC. GEOGRAPHY HONOURS

I, III & V SEMESTER

SYLLABUS DISTRIBUTION

SEMESTER I**GEOGRAPHY****COURSE 1****Course title: Geotectonics and Geomorphology****Theory Credits: 6**

SL. NO	SYLLABUS	TEACHER'S NAME
1	<p>Unit 1: Geotectonics</p> <ul style="list-style-type: none"> ➤ Earth's tectonic and structural evolution with reference to geological time scale ➤ Concept of Isostasy: Theories of Airy and Pratt <p>Unit 2: Geomorphology</p> <ul style="list-style-type: none"> ➤ Types of rocks, mineralogical composition of igneous rocks; Landforms on igneous rocks with special reference to Granite and Basalt 	DR. SURAJIT LET
2	<p>Unit 2: Geomorphology</p> <p>Development of river network and landforms on uniclinal and folded structures</p>	MR. SUBRATA DEWASI
3	<p>Unit 2: Geomorphology</p> <ul style="list-style-type: none"> ➤ Glacial and fluvio-glacial processes and landforms . ➤ Aeolian and fluvio-aeolian processes and landforms. 	MR. GOTISUNDAR MUKHERJEE
4	<p>Unit 1: Geotectonics</p> <ul style="list-style-type: none"> ➤ Earth's interior with special reference to seismology <p>Unit 2: Geomorphology</p> <ul style="list-style-type: none"> ➤ Degradational processes: Weathering, mass wasting and resultant landforms ➤ Models of landscape evolution: Views of Davis, Penck, and Hack ➤ Slope Development: Concept of Wood 	MR. RASHBIHARI GARAIN
5	<p>Unit 1: Geotectonics</p> <ul style="list-style-type: none"> ➤ Plate Tectonics: Processes at constructive, conservative, destructive boundaries and hotspots: resulting landforms <p>Unit 2: Geomorphology</p> <ul style="list-style-type: none"> ➤ Karst landforms: Surface and sub-surface 	MR. SANJAY MANDAL

SEMESTER I**GEOGRAPHY****COURSE 2****Course title: Cartographic Techniques and Geological map study****Theory Credits: 4**

SL. NO	SYLLABUS	TEACHER'S NAME
1	<ul style="list-style-type: none">➤ Coordinate Systems: Polar and Rectangular. Concept of Geoid and Spheroid. Map Projections: Classification, Properties and Uses. Concept and Significance of UTM Projection	DR. SURAJIT LET
2	<ul style="list-style-type: none">➤ Concept of Scales: Plain, Comparative, Diagonal and Vernier	MR. GOTISUNDAR MUKHERJEE
3	<ul style="list-style-type: none">➤ Maps: Classification and Types. Components of a Map➤ Concept of Generating Globe, Grids: Angular and Linear Systems of Measurement .➤ Survey of India Topographical Maps: Reference scheme of Old and Open series .➤ Delineation of Drainage Basin from Survey of India Topographical Map. Concept of Relief, Slope and Stream Order.	MR. SUBRATA DEWASI
4	<ul style="list-style-type: none">➤ Concept of Bedding Plane, Unconformity and Non-conformity, thickness of Bed, Dip, Throw, Hade, heave➤ Types of rocks and minerals. Characteristics of Granite, Basalt, Dolerite, Pegmatite, Gneiss, Shale, Sandstone, Slate, Marble, Quartzite, Quartz, Feldspar, Mica, Limestone, Calcite, Bauxite, Magnetite, Hematite, Galena	MR. RASHBIHARI GARAIN

SEMESTER I**GEOGRAPHY****COURSE 2****Course title: Cartograms, Survey and Thematic Mapping (Practical)****Theory Credits: 2**

SL. NO	SYLLABUS	TEACHER'S NAME
1	➤ Construction of Projections: Polar Zenithal Stereographic, Simple Conic with two Standard Parallels, Bonne's and Mercator's	DR. SURAJIT LET
2	➤ Construction of Scales: Plain, Comparative, Diagonal and Vernier	MR. GOTISUNDAR MUKHERJEE
3	➤ Geological Map (Problems related to Horizontal, Uniclinal, Folded and Faulted structure); Drawing of Geological section and Interpretation of the Map	MR. RASHBIHARI GARAIN
4	➤ Construction and Interpretation of Relief Profiles (Superimposed, Projected and Composite), Preparation of Relative Relief Map, Slope map (Wentworth), and Stream Ordering (Strahler) on a Drainage Basin.	MR. SUBRATA DEWASI

SEMESTER III
GEOGRAPHY
COURSE : CC 5
COURSE TITLE : CLIMATOLOGY
THEORY CREDITS : 6

SL. NO	SYLLABUS	TEACHER'S NAME
1	<p>Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification</p> <ul style="list-style-type: none"> ➤ Air mass: Typology, origin, characteristics and modification. ➤ Evidences and causes of climate change . ➤ Fronts: warm and cold; frontogenesis and frontolysis. 	DR. SURAJIT LET
2	<p>Unit 1: Elements of the Atmosphere</p> <ul style="list-style-type: none"> ➤ Nature, composition and layering of the atmosphere, ➤ Insolation : controlling factors. Heat budget of the atmosphere. ➤ Temperature: horizontal and vertical distribution. Inversion of temperature: types, cause and consequences. ➤ Greenhouse effect and importance of ozone layer <p>Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification</p> <ul style="list-style-type: none"> ➤ Weather: stability and instability; barotropic and baroclinic conditions. 	MR. GOTISUNDAR MUKHERJEE
3	<p>Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification</p> <ul style="list-style-type: none"> ➤ Circulation in the atmosphere: Planetary winds, jet streams and monsoons ➤ Tropical and mid-latitude cyclones ➤ Condensation: Processes and forms. Mechanism of precipitation: Bergeron-Findeisen theory, collision and coalescence. Forms of precipitation ➤ Climatic classification after Köppen, Thornthwaite (1948) 	MR. SANJAY MANDAL

SEMESTER III**GEOGRAPHY****COURSE 6****COURSE TITLE : STATISTICAL METHODS IN GEOGRAPHY (THEORY)****THEORY CREDITS : 4**

S L. N O	SYLLABUS	TEAC HER'S NAME
1	<p>Unit 1</p> <ul style="list-style-type: none">➤ Importance and significance of Statistics in Geography. Discrete and continuous data, population and samples, scales of measurement (nominal, ordinal, interval and ratio), sources of data➤ Collection of data and formation of statistical tables➤ Distribution: frequency, cumulative frequency <p>Unit 2</p> <ul style="list-style-type: none">➤ Central tendency: Mean, median, mode, partition values➤ Measures of dispersion range, mean deviation, standard deviation, coefficient of variation	Dr. Gouta m Chatt erjee
2	<p>Unit 1</p> <ul style="list-style-type: none">➤ Sampling: Need, types, and significance and methods of random sampling <p>Unit 2</p> <ul style="list-style-type: none">➤ Association and correlation: Rank correlation, product moment correlation➤ Linear Regression and time series analysis	MR. SUBR ATA DEWA SI

SEMESTER III**GEOGRAPHY****COURSE 6****COURSE TITLE : ENVIRONMENTAL GEOGRAPHY (PRACTICAL)****THEORY CREDITS : 2**

SL. NO	SYLLABUS	TEACHER'S NAME
1	<ul style="list-style-type: none">➤ Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted.➤ Histograms and frequency curve would be prepared on the dataset.	DR. GOUTAM CHATTERJEE
2	<ul style="list-style-type: none">➤ Construction of data matrix with each row representing an aerial unit (districts / blocks / mouzas / towns) and corresponding columns of relevant attributes.	DR. SURAJIT LET
3	<ul style="list-style-type: none">➤ Based on of the sample set and using two relevant attributes, a scatter diagram and regression line would be plotted and residual from regression would be mapped with a short interpretation.	MR. SUBRATA DEWASI

SEMESTER III
GEOGRAPHY
COURSE : CC 7
COURSE TITLE : GEOGRAPHY OF INDIA
THEORY CREDITS : 6

SL. NO	SYLLABUS	TEACHER'S NAME
1	<p>UNIT -1 : GEOGRAPHY OF INDIA</p> <ul style="list-style-type: none"> ➤ Population: Distribution, growth, structure and policy ➤ Distribution of population by race, caste, religion, language, tribes <p>Unit 2: Geography of West Bengal</p> <ul style="list-style-type: none"> ➤ Regional Development: Darjeeling Hills and Sundarban ➤ Resources: Mining, agriculture and industries 	DR. SURAJIT LET
2	<p>UNIT -1 : GEOGRAPHY OF INDIA</p> <ul style="list-style-type: none"> ➤ Agricultural regions, Green revolution and its consequences ➤ Mineral and power resources distribution and utilisation of iron ore, coal, petroleum 	MR. GOTISUNDAR MUKHERJEE
3	<p>UNIT -1 : GEOGRAPHY OF INDIA</p> <ul style="list-style-type: none"> ➤ Industrial development since independence. ➤ Regionalisation of India: Views of Spate and Bhatt. 	MR. SUBRATA DEWASI
4	<p>Unit 2: Geography of West Bengal</p> <ul style="list-style-type: none"> ➤ Physical perspectives: Physiographic divisions, forest and water resources ➤ Population: Growth, distribution and human development ➤ 	MR. RASHBIHARI GARAIN
5	<p>UNIT -1 : GEOGRAPHY OF INDIA</p> <ul style="list-style-type: none"> ➤ Geology and physiographic divisions ➤ Climate, soil and vegetation: Characteristics and classification 	MR. SANJAY MANDAL

SEMESTER III

GEOGRAPHY

COURSE : SEC 1

COURSE TITLE : (PRACTICAL)

THEORY CREDITS : 2

SL. NO	SYLLABUS	TEACHER'S NAME
1	<p data-bbox="488 491 971 569">COMPUTER BASICS AND COMPUTER APPLICATIONS</p> <ul data-bbox="440 638 1122 1066" style="list-style-type: none"><li data-bbox="440 638 1122 674">➤ Numbering Systems; Binary Arithmetic<li data-bbox="440 674 1122 905">➤ Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation.<li data-bbox="440 905 1122 982">➤ Preparation of Annotated Diagrams and its interpretation: Scatter diagram and Histogram<li data-bbox="440 982 1122 1066">➤ Internet Surfing: Generation and extraction of information	<p data-bbox="1149 764 1312 869">MR. RASHBIHARI GARAIN</p>

Part- III**PAPER-V****COURSE TITLE : NATURE OF GEOGRAPHY**

S L. N O	SYLLABUS	TEACH ER'S NAME
1	<p>DEVELOPMENT OF GEOGRAPHY</p> <ul style="list-style-type: none"> ➤ Definition, Scope and Content of Geography ➤ Development of Geography in the Ancient and Mediaeval Periods(upto19thCentury) ➤ DevelopmentofModernScientificGeographyinthe19th Century with particular reference to the Contributions of Humboldt and Ritter ➤ Development of Geography in the20th Century (upto 1970) <p>DEVELOPMENT OF SCHOOLS OF THOUGHT IN MODERN GEOGRAPHY</p> <ul style="list-style-type: none"> ➤ German School ➤ French School ➤ American School ➤ Indian School 	DR. SURAJI T LET
2	<p>ENVIRONMENT AND DEVELOPMENT</p> <ul style="list-style-type: none"> ➤ RelationshipamongPopulationGrowth,EconomicDevelopmentandEnvironmentalConservation ➤ Environmental Issues Related to Urban and Industrial Expansion ➤ Environmental issues of Large Dams ➤ Sustainable Development 	MR. GOTISU NDAR MUKHE R JEE
3	<p>CONCEPTS AND TRENDS IN GEOGRAPHY</p> <ul style="list-style-type: none"> ➤ Concepts of Determinism, Possibilism and Neo-Determinism ➤ Concepts of Empiricism and Positivism 	MR. SUBRA TA DEWAS I
4	<p>APPROACHES TO REGIONAL STUDIES</p> <ul style="list-style-type: none"> ➤ Concepts and Types of Region ➤ Bases and Methods of Regionalisation ➤ Scale and Hierarchy of Region ➤ Region and Regionalism 	MR. RASHBI HARI GARAI N
5	<ul style="list-style-type: none"> ➤ ONCEPTSANDTRENDSINGEOGRAPHY ➤ Approaches to Geographic Studies : Systematic vs Regional and Ecological ➤ Critique of Quantitative Revolution in Geography 	MR. SANJAY MAND AL

Part- III
GEOGRAPHY
PAPER- VI

COURSE TITLE : ECONOMIC AND SOCIAL GEOGRAPHY

SL. NO	SYLLABUS	TEACHER'S NAME
1	<p>POPULATION</p> <ul style="list-style-type: none"> ➤ Determinants and Dynamics of Population Growth ➤ Growth of World Population; Demographic Transition Model ➤ Migration :Types and Impact on Place of Origin and Destination ➤ Population Policy : India and China 	DR. SURAJIT LET
2	<p>SOCIETY AND CULTURE</p> <ul style="list-style-type: none"> ➤ Nature and Content of Social Geography, Evolution of Social Geography ➤ Races and Ethnicity: Major Racial Groups of the World ➤ Concept of Culture and Its Components; Innovation, Diffusion and Convergence of Culture ➤ Cultural Realms of the World and their Characteristics 	MR. GOTISUN DAR MUKHER JEE
3	<p>ECONOMIC ACTIVITY</p> <ul style="list-style-type: none"> ➤ Agricultural Systems: Plantation Agriculture and Mixed Farming ➤ Models of Economic Activities :Von-Thunen , Weber, Losch ➤ Industrial Regions :Great Lakes ,Mumbai- Pune, Asansol –Durgapur ➤ International Trade with Special Reference to WTO, EEC and SAARC 	MR. SUBRATA DEWASI
4	<p>RESOURCE</p> <ul style="list-style-type: none"> ➤ Resource:ConceptandClassification,EconomicandEnvironmentalApproachesof Resource Utilisation <ul style="list-style-type: none"> ➤ Different sources of Energy Resources, their Relative Importance, Production and Consumption ➤ Problems of Resource Depletion –Global Scenario(Forest, Water, Fossil Fuels), ➤ Necessity and Methods of Resource Conservation; Expanding Oceanic Resource Horizon 	MR. RASHBIHARI GARAIN
5	<p>SETTLEMENT</p> <p>Concept of Rural and Urban Settlement, Problems of Definition and Classification of Urban Settlement</p> <ul style="list-style-type: none"> ➤ Types and Patterns of Rural Settlement ➤ Theories of Urban Structure Propounded by E.W.Burgess, Harris –Ullman and Homer Hoyt ➤ Functional Hierarchy of Urban Settlement with Special Reference to Christaller's Central Place Theory 	MR. SANJAY MANDAL

Part- III**GEOGRAPHY****PAPER- VII****COURSE TITLE : GEOGRAPHY OF INDIA**

SL · N o	SYLLABUS	TEACHER'S NAME
1	<p>INDIA : PHYSICALASPECTS</p> <ul style="list-style-type: none"> ➤ Geology and Structure with Special Reference to Himalayan Structure and Evolution of the Peninsular India ➤ Drainage Systems: Evolution and Characteristics of Peninsular and Extra-Peninsular Rivers ➤ Climatic Characteristics: Seasonality, Unevenness and Unreliability of Rainfall, Drought and Floods ➤ Classification and Characteristics of Soils, Causes and Consequences of Deforestation <p>REGIONAL ASPECTS</p> <ul style="list-style-type: none"> ➤ Bases and Schemes of Regionalization of India into Geographical Regions ➤ Chotoanagpur Plateau ➤ West Bengal Delta ➤ Malabar Coast 	DR. SURAJIT LET
	<p>SOCIO-CULTURALASPECTS</p> <ul style="list-style-type: none"> ➤ Population Growth and Human Development since Independenc ➤ Languages Groups: Characteristics and Spatial Distribution 	MR. GOTISUNDA R MUKHERJEE
2	<p>ECONOMIC ASPECTS</p> <ul style="list-style-type: none"> ➤ Agricultural Policy and Development since Independence <ul style="list-style-type: none"> ➤ Agro-Climatic Regions in India and Impact of Green Revolution ➤ Industrial Policy and Development since Independence ➤ Recent Trends of Industrialization with Special Reference to SEZs 	MR. SUBRATA DEWASI
3	<p>SOCIO-CULTURALASPECTS</p> <ul style="list-style-type: none"> ➤ Caste and Social Morphology in Rural India ➤ Characteristics and Recent Trends of Urbanisation 	MR. RASHBIHARI GARAIN
4	<p>WESTBENGAL</p> <ul style="list-style-type: none"> ➤ Physiographic Region of West Bengal ➤ Problems of Flood and Drought and their Management ➤ Regional Problems of Darjeeling Hill Region and Sundarbans ➤ Population Growth and Human Development 	MR. SANJAY MANDAL

Part- III

GEOGRAPHY

PAPER-VIII (PRACTICAL)

COURSE TITLE : APPLIED GEOGRAPHICAL TECHNIQUES

SL. NO	SYLLABUS	TEACHER'S NAME
1	ANALYSIS OF GEOLOGICAL MAPS <ul style="list-style-type: none">➤ Construction of Geological Section of Horizontal, Uniclinal, Folded and Faulted Structures Along with Igneous Intrusions and Line of Unconformity➤ Succession and Relation with Rock Groups<ul style="list-style-type: none">➤ Topography and its Relation with Underlying Structures➤ Interpretation of Geological History	DR. SURAJIT LET
2	ANALYSIS OF CLIMATIC DATA AND MAPS <ul style="list-style-type: none">➤ Rainfall Dispersion Diagram➤ Construction of Station Model (Indian Context)➤ Preparation of Synoptic Chart and Interpretation (Indian Context)➤ Interpretation of Daily Weather Maps Prepared by Indian Meteorological Department	MR. SUBRATA DEWASI
3	COMPUTER APPLICATION, REMOTE SENSING AND GIS <ul style="list-style-type: none">➤ Data Entry: Arrangement into Ascending and Descending Order; Cartograms Using Excel: Bar, Pie, Line Graph and Doughnut Chart➤ Calculation of Central Tendency and Standard Deviation Using Formula➤ Bivariate Techniques : Scatter Diagram and Fitting of Trend Lines➤ Basic Concepts of Remote Sensing, GIS and GPS➤ Location of a Place Using GPS; Georeferencing of Scanned Maps and Images(Using Software)➤ Principles of Preparing and Interpretation of Standard FCC of Images; Digital Classification and Extraction of Physiographic and Cultural Features (Using Software)	MR. RASHBIHARI GARAIN

Part- III

GEOGRAPHY

PAPER-VIII (PRACTICAL)

COURSE TITLE : FIELD REPORT

S L. N O	SYLLABUS	TEAC HER'S NAM E
1	<p>FIELD REPORT TO NEITHER A RURAL MOUZA OR AT LEAST ONE WARD OF AN URBAN AREA TO BE CONDUCTED DURING FIELD EXCURSION</p> <p><i>Guidelines for field report on rural mouza</i></p> <p>The following methods are to be followed before the preparation of field report:</p> <ul style="list-style-type: none">(a) Plot-to-Plot Land Use Survey(b) Collection of Socio-Economic and Physical Data(c) Classification and Tabulation of Data(d) Preparation of Land Use Map on Cadastral Plan(e) Preparation of Maps and Diagrams showing Physiography, Drainage, Soil, Forest, Settlement, Irrigation, Cropping Pattern, Demographic Characteristics <i>etc.</i>(f) Interrelation and Analysis of Data, Maps and Diagrams <p>The Report is to be Prepared under the following sections:</p> <ul style="list-style-type: none">(a) Introduction: Objective, Extent and Space Relations, Sources of Information, Methodology <i>etc.</i>(b) Physical Components: Lithology, Drainage, Surface Condition, Slope, Climate, Soil Vegetation, <i>etc.</i>(c) Population: Number, FMR, Literacy, Occupational Structure, Ethnic and Religious Composition, Language, Mobility, Media Exposure, Per Capita Income <i>etc.</i>	<p>MR. GOTISU NDAR MUKHE RJEE</p> <p>& MR. RASHBI HARI GARAIN</p>

B.A/B.SC. GEOGRAPHY GENERAL

I, III & V SEMESTER

SYLLABUS DISTRIBUTION

SEMESTER I
GEOGRAPHY
COURSE – CC1A

COURSE TITLE: GEOTECTONICS AND GEOMORPHOLOGY

Theory Credits: 4

SL. NO	SYLLABUS	TEACHER'S NAME
1	<ul style="list-style-type: none">➤ Lithosphere – Internal Structure of Earth based on Seismic Evidence,➤ Plate Tectonics and its associated landforms.	DR. SURAJIT LET
2	<ul style="list-style-type: none">➤ Weathering: Types and related landforms➤ Landform development in arid regions.	MR. SUBRATA DEWASI
3	<ul style="list-style-type: none">➤ Landform development in glaciated regions.➤ Hydrological Cycle and ground water	MR. RASHBIHARI GARAIN
4	<ul style="list-style-type: none">➤ Development of fluvial landforms .<ul style="list-style-type: none">➤ Fluvial Cycle of Erosion – Davis and Penck.	MR. SANJAY MANDAL

SEMESTER I
GEOGRAPHY
COURSE CC1A
COURSE TITLE: SCALE AND CARTOGRAPHY (PRACTICAL)
Theory Credits: 2

SL. NO	SYLLABUS	TEACHER'S NAME
1	➤ Composite bar diagram and age-sex pyramid.	DR. SURAJIT LET
2	➤ Linear and Comparative scale. ➤ Taylor's Climograph and Hythergraph. ➤ Proportional diagrams: Circles and squares .	MR. SUBRATA DEWASI

SEMESTER III

GEOGRAPHY

COURSE CC 1C

HUMAN GEOGRAPHY AND MAP STUDY

COURSE TITLE: HUMAN GEOGRAPHY

Theory Credits: 4

SL. NO	SYLLABUS	TEACHER'S NAME
1	<ul style="list-style-type: none">➤ Definition, Nature, Major Subfields, Contemporary Relevance.➤ Eskimos: Adjustment to the environment and recent development .➤ Settlements: Types and Patterns of Rural Settlements;	DR. SURAJIT LET
2	<ul style="list-style-type: none">➤ Classification of Urban Settlements;➤ Functional classification of towns. World Population Distribution and Composition (Age, Gender and Literacy)	MR. SUBRATA DEWASI
3.	<ul style="list-style-type: none">➤ Space and Society: Cultural Regions; Race; Religion and Language➤ Types of population migration with reference to India .	MR. SANJAY MANDAL

SEMESTER III**GEOGRAPHY****COURSE CC 1C****HUMAN GEOGRAPHY AND MAP STUDY****COURSE TITLE: MAP PROJECTION AND MAP INTERPRETATION (PRACTICAL)****Theory Credits: 4**

SL. NO	SYLLABUS	TEACHER'S NAME
1	<ul style="list-style-type: none">➤ Simple Conical projection with one standard parallel➤ Cylindrical Equal Area projection	DR. SURAJIT LET
2	<ul style="list-style-type: none">➤ Interpretation of weather maps	MR. SUBRATA DEWASI
3	<ul style="list-style-type: none">➤ Interpretation of Topographical maps: Relation between Physiography, drainage and settlement	MR. SANJAY MANDAL

SEMESTER III

GEOGRAPHY

COURSE : SEC 1

COURSE TITLE : COMPUTER BASICS AND COMPUTER APPLICATIONS (PRACTICAL)

THEORY CREDITS : 2

SL. NO	SYLLABUS	TEACHER'S NAME
1	<p style="text-align: center;">COMPUTER BASICS AND COMPUTER APPLICATIONS</p> <ul style="list-style-type: none">➤ Numbering Systems; Binary Arithmetic➤ Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation.➤ Preparation of Annoted Diagrams and its interpretation: Scatter diagram and Histogram➤ Internet Surfing: Generation and extraction of information	MR. SUBRATA DEWASI & DR. SURAJIT LET

GENERAL
Part- III
GEOG
RAPHY
PAPER
-IV
Group-A (Theoretical)
COURSE TITLE : GEOGRAPHY OF INDIA

SL. NO	SYLLABUS	TEACHER'S NAME
1	PHYSICALASPECTS <ul style="list-style-type: none"> ➤ Structure and Relief & their Interrelationship ➤ Characteristics of River Systems of Peninsular and Extra-Peninsular India ➤ Climatic Characteristics: Seasonality, Unevenness and Unreliability of Rainfall ➤ Distribution of Natural Vegetation, Soil and their Interrelationship 	DR. SURAJIT LET
2	SOCIO-ECONOMICASPECTS <ul style="list-style-type: none"> ➤ Distribution and Production of Principal Crops (Rice, Wheat, Cotton and Tea) ➤ Power Resources :Coal, Petroleum and Hydroelectricity ➤ Locational Factors and Growth of Iron and Steel and Aluminium Industries ➤ Population Growth and Distribution, Population Problems, Trends of Urbanisation 	MR. SUBRATA DEWASI
3	REGIONALASPECTS <ul style="list-style-type: none"> ➤ Kashmir Himalaya ➤ Deccan Trap ➤ Bengal Delta ➤ Marusthali 	MR. RASHBIH ARI GARAIN

GENERAL
Part- III
GEOGRAPHY
PAPER-IV
GROUP - B (PRACTICAL)

COURSE TITLE : ANALYTICAL TECHNIQUES IN GEOGRAPHY

SL. NO	SYLLABUS	TEACHER'S NAME
2	STATISTICAL TECHNIQUES <ul style="list-style-type: none"> ➤ Measures of Central Tendency: Mean, Median and Mode ➤ Simple Correlation: Scatter Diagram and Fitting of Trend-Line by Eye-Estimation 	DR. SURAJIT LET
2	STATISTICAL TECHNIQUES <ul style="list-style-type: none"> ➤ Methods of Collection, Classification and Tabulation of Data ➤ Frequency Distribution: Graphical Representation and Interpretation of Histogram, Frequency Polygon, Curves and Ogives 	MR. SUBRATA DEWASI
3	LABORATORYWORK <ul style="list-style-type: none"> ➤ Reading of Barometer, Hygrometer and Maximum and Minimum Thermometer ➤ Determination of Soil Texture by Feel Method and Soil pH by Soil Kit ➤ Measurement of Area by Graphical Method and Length by Rotameter 	MR. RASHBIHARI GARAIN
4	LABORATORYWORK <ul style="list-style-type: none"> ➤ Megascopic Identification of Common Minerals and Rocks & their Characteristics : Quartz, Mica, Feldspar, Bauxite, Haematite, Granite, Basalt, Conglomerate, Sandstone, Shale, Gneiss, Schist, Phyllite and Marble 	MR. GOTISUN DAR MUKHERJEE

