

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 | Unit 1: Geotectonics <ul style="list-style-type: none">➤ Earth's tectonic and structural evolution with reference to geological time scale➤ | DR. SURAJIT LET |
| 2 | Unit 2: Geomorphology <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➤ Development of river network and landforms on uniclinal and folded structures | MR. SUBRATA DEWASI |
| 3 | Unit 2: Geomorphology <ul style="list-style-type: none">➤ Glacial and fluvio-glacial processes and landforms .➤ Aeolian and fluvio-aeolian processes and landforms.➤ Degradational processes: Weathering, mass wasting and resultant landforms➤ Models of landscape evolution: Views of Davis, Penck, and Hack<ul style="list-style-type: none">➤ Slope Development: Concept of Wood | MR. GOTISUNDAR MUKHERJEE |
| 4 | Unit 1: Geotectonics <ul style="list-style-type: none">➤ Earth's tectonic and structural evolution with reference to geological time scale | MR. RASHBIHARI GARAIN |
| 5 | Unit 1: Geotectonics <ul style="list-style-type: none">➤ Plate Tectonics: Processes at constructive, conservative, destructive boundaries and hotspots: resulting landforms➤ Concept of Isostasy: Theories of Airy and Pratt Unit 2: Geomorphology <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 |
|--------|---|--------------------------|
| | <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 |
| | <ul style="list-style-type: none">➤ Concept of Scales: Plain, Comparative, Diagonal and Vernier | MR. GOTISUNDAR MUKHERJEE |
| | <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 . | MR. SUBRATA DEWASI |
| | <ul style="list-style-type: none">➤ Concept of Bedding Plane, Unconformity and Non-conformity, thickness of Bed, Dip, Throw, Hade, heave | MR. RASHBIHARI GARAIN |
| | <ul style="list-style-type: none">➤ 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➤ 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. SANJAY MANDAL |

SEMESTER I**GEOGRAPHY****COURSE 4****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. SANJAY MANDAL |

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 . ➤ Condensation: Processes and forms. Mechanism of precipitation: Bergeron-Findeisentheory, collision and coalescence. Forms of precipitation ➤ | 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, causes and consequences. ➤ Greenhouse effect and importance of ozone layer ➤ 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"> ➤ Fronts: warm and cold; frontogenesis and frontolysis. . | MR. SUBRATA DEWASI |
| 4 | <p>Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification</p> <ul style="list-style-type: none"> ➤ | MR. RASHBIHARI GARAIN |
| 5 | <p>Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification</p> <ul style="list-style-type: none"> ➤ Circulation in the atmosphere: Planetary winds, jet stream and monsoons ➤ Tropical and mid-latitude cyclones ➤ Climatic classification after Köppen, Thornthwaite (1948) | MR. SANJAY MANDAL |

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

| SL. NO | SYLLABUS | TEACHER'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. GOUTAM CHATTERJEE |
| 2 | <ul style="list-style-type: none">➤ Sampling: Need, types, and significance and methods of random sampling➤ Association and correlation: Rank correlation, product moment correlation➤ Linear Regression and time series analysis | Mr. SHYAMAL GARAI |

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">➤ Construction of data matrix with each row representing an aerial unit (districts / blocks /mouzas / towns) and corresponding columns of relevant attributes.➤ Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted. | Dr. GOUTAM CHATTERJEE |
| 2 | <ul style="list-style-type: none">➤ Histograms and frequency curve would be prepared on the dataset.➤ 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 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 Annotated Diagrams and its interpretation: Scatter diagram and Histogram ➤ Internet Surfing: Generation and extraction of information | <p>DR. SURAJIT LET</p> <p>&</p> <p>MR. SUBRATA DEWASI</p> |

SEMESTER V
GEOGRAPHY
COURSE : CC 11
COURSE TITLE : RESEARCH METHODOLOGY AND FIELD WORK
THEORY CREDITS : 4

| SL. NO | SYLLABUS | TEACHER'S NAME |
|--------|--|-------------------------|
| 1 | <p>Unit 1: Research Methodology</p> <ul style="list-style-type: none"> ➤ Research in Geography: Meaning, types and significance ➤ Significance of Literature review in research <p>Unit 2: Field Work</p> <ul style="list-style-type: none"> ➤ Fieldwork in Geographical studies – Role and significance. Selection of study area and objectives. Pre-field preparations. Ethics of fieldwork ➤ Field techniques and tools: Questionnaires (open, closed, structured, non- structured). Interview with special reverence to focused group discussions. | DR. SURAJIT LET |
| 5 | <p>Unit 1: Research Methodology</p> <ul style="list-style-type: none"> ➤ Research in Geography: Meaning, types and significance ➤ Significance of Literature review in research <p>Unit 2: Field Work</p> <ul style="list-style-type: none"> ➤ Field techniques and tools: Landscape survey using transects and quadrants, constructing a sketch, photo and video recording. ➤ Collection of samples. Preparation of inventory from field data. Post-fieldtasks. | MR. SANJAY MANDAL |

**SEMESTER V
GEOGRAPHY**

COURSE : CC 11

COURSE TITLE : RESEARCH METHODOLOGY AND FIELD WORK (PRACTICAL)

CREDITS : 2

| SL. NO | SYLLABUS | TEACHER'S NAME |
|---------------|---|---|
| 1 | <ol style="list-style-type: none">1. Students will prepare a field report based on primary data collected from field survey and secondary data collected from different sources for either a rural area (mouza) or an urban area (municipal ward) based on cadastral or municipal maps to study specific problems2. The report should be typed in MS-Word in English language on A4 size paper in candidate's own words within 2500 words. The total number of pages in the Field Report should not exceed 25 pages including texts, figures, tables, photographs, maps, references (APA) and appendices3. A copy of the bound report, duly signed by the concerned teacher, should be submitted4. Preparation of maps (hand-drawn) with suitable scale and latitude and longitude5. Preparation of charts/graphs in MS-Excel and duly labelled6. The report should be typed in MS-Word. The font size is fixed at 12 in TimesNew Roman and the line spacing 1.5 | DR. SURAJIT LET & MR. SANJAY MANDAL |

SEMESTER V
GEOGRAPHY
COURSE : CC 12
COURSE TITLE : REMOTE SENSING AND GIS
CREDITS : 4

| SL. NO | SYLLABUS | TEACHER'S NAME |
|--------|---|-----------------------------|
| 1 | <p>Unit 1: Remote Sensing</p> <ul style="list-style-type: none"> ➤ Principles of False Colour Composites (FCC) from IRS LISS-III and Landsat Images(ETM+) data: Image Processing, Pre-processing; Enhancement; Classification. ➤ Principles of image interpretation for Forest, Water and Soil <p>Unit 2: GIS and GNSS</p> <ul style="list-style-type: none"> ➤ Definition and Components of Geographical Information System (GIS) and raster and vector data structures ➤ Principles of preparing attribute tables and overlay analysis ➤ Principles of GNSS positioning - Uses and Waypoint Collection Methods | MR. RASHBIHARI GARAIN |
| 2 | <p>Unit 1: Remote Sensing</p> <ul style="list-style-type: none"> ➤ Definition, Concepts and Principles of Remote Sensing (RS): Types of Air Photo, RSsatellites, sensors and platforms. ➤ EMR Interaction with Atmosphere and Earth Surface, Sensor resolutions and their applications with reference to IRS <p>Unit 2: GIS and GNSS</p> <ul style="list-style-type: none"> ➤ Applications of Geographical Information System in Flood Management and Urban Sprawl | MR. SUBRATA DEWASI |

SEMESTER V
GEOGRAPHY
COURSE : CC 12
COURSE TITLE : REMOTE SENSING AND GIS (PRACTICAL)
CREDITS : 2

| SL. NO | SYLLABUS | TEACHER'S NAME |
|---------------|--|-----------------------------|
| 1 | <p>Note: QGIS version 3.0 or above to be used</p> <ol style="list-style-type: none">1. Georeferencing of Scanned Maps2. Preparation of FCC using IRS LISS-III and/or Landsat (ETM+) data3. Preparation of LULC Map by Supervised Image Classification (Maximum Likelihood) using IRS LISS-III or Landsat (ETM+) data4. Digitisation of Point, Line and Polygon Features and Preparation of Thematic Map (using bar, pie and choropleth method) | MR. RASHBIHARI GARAIN |

**SEMESTER V
GEOGRAPHY
COURSE : DSE 1
COURSE TITLE : CULTURAL AND SETTLEMENT GEOGRAPHY
THEORY CREDITS : 6**

| SL. NO | SYLLABUS | TEACHER'S NAME |
|--------|---|--------------------------------|
| 1. | <p>Unit 1: Cultural Geography</p> <ul style="list-style-type: none"> ➤ Definition, Scope and Content of Cultural Geography ➤ Development of Cultural Geography ➤ Concept of Cultural Hearth, Realm; Cultural Landscape ➤ Cultural Innovation and Diffusion; Diffusion of Major World Religions. ➤ Cultural Segregation, Cultural Diversity, and Acculturation ➤ Major Races of the World: Distribution and Characteristics | MR. GOTISUNDAR MUKHERJEE |
| 2. | <p>Unit 2: Settlement Geography</p> <ul style="list-style-type: none"> ➤ Scope and Content of Settlement Geography ➤ Definition and Characteristics of Rural Settlement ➤ Rural Settlements: Site and Situation ➤ Urban Settlements: Census Definition, Urban Outgrowth, Urban Agglomeration ➤ Urban Morphology: Classical Models of Burgess, Hoyt, Harris and Ullman ➤ Functional Classification of Cities: Harris and Nelson | MR. SUBRATA DEWASI |

**SEMESTER V
GEOGRAPHY
COURSE : DSE 2
COURSE TITLE : POPULATION GEOGRAPHY
THEORY CREDITS : 6**

| SL. NO | SYLLABUS | TEACHER'S NAME |
|--------|--|--------------------------|
| 1. | <p>Unit 1: (2 Credits)</p> <ul style="list-style-type: none"> ➤ Development of Population Geography; Relation between Population Geography & Demography ➤ Determinants of Population Dynamics; Concept of Optimum Population ➤ Theories of population growth: Malthusian Theory and Marxian Approach, Demographic Transition Model ➤ Distribution, Density and Growth of Population in India since 1951 <p>Unit 2 : (4 Credits)</p> <ul style="list-style-type: none"> ➤ Measures of Fertility and Mortality ➤ Concept of Human Development Index ➤ Population policies in Selected Countries: Sweden and China ➤ Contemporary Issues in Population: Health and Unemployment | DR. SURAJIT LET |
| 2 | <p>Unit 2 : (4 Credits)</p> <ul style="list-style-type: none"> ➤ Population Composition and Characteristics: Age-Sex; Female-Male Ratio. ➤ Population Composition of India: Rural and Urban, Occupational Structure as per Census of India ➤ Migration: Theories, Causes and Types ➤ Population and development: population-resource regions, | MR. SUBRATA DEWASI |

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. | MR. SUBRATA DEWASI |
| 2 | <ul style="list-style-type: none"> ➤ Weathering: Types and related landforms ➤ Landform development in arid regions. | MR. GOTISUNDAR MUKHERJEE |
| 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. | MR. SUBRATA DEWASI |
| 2 | ➤ Linear and Comparative scale. | MR. RASHBIHARI GARAIN |
| 3. | ➤ Taylor's Climograph and Hythergraph. ➤ Proportional diagrams: Circles and squares . | MR. SANJAY MANDAL |

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 . | DR. SURAJIT LET |
| 2 | <ul style="list-style-type: none"> ➤ Classification of Urban Settlements; ➤ Functional classification of towns. <p>World Population Distribution and Composition (Age, Gender and Literacy)</p> | MR. SUBRATA DEWASI |
| 3 | <ul style="list-style-type: none"> ➤ Settlements: Types and Patterns of Rural Settlements; ➤ Space and Society: Cultural Regions; Race; Religion and Language ➤ Types of population migration with reference to India . | MR. GOTISUNDAR MUKHERJEE |

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 | MR. SUBRATA DEWASI |
| 2 | <ul style="list-style-type: none">➤ Interpretation of weather maps | DR. SURAJIT LET |
| 3 | <ul style="list-style-type: none">➤ Interpretation of Topographical maps: Relation between Physiography, drainage and settlement | MR. GOTISUNDAR MUKHERJEE |

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 Annotated Diagrams and its interpretation: Scatter diagram and Histogram➤ Internet Surfing: Generation and extraction of information | <p style="text-align: center;">MR. SANJAY MANDAL</p> <p style="text-align: center;">&</p> <p style="text-align: center;">Mr. SHYAMAL GARAI</p> |

SEMESTER V
GEOGRAPHY
(GENERAL)
COURSE CC 1A
COURSE TITLE: : GEOGRAPHY OF INDIA
Theory Credits: 4

| SL. NO | SYLLABUS | TEACHER'S NAME |
|--------|---|-----------------------------|
| 1 | UNIT: 1 – Geography of India <ul style="list-style-type: none"> ➤ Population – Size and Growth since Independence ➤ Settlement – Rural and Urban Types ➤ Agricultural Resource: Rice and Wheat and Cotton ➤ Mineral Resource - Iron ore and Bauxite ➤ Energy Resources: Coal and Petroleum ➤ Industries: Cotton Textile and Iron and Steel | MR. SUBRATA DEWASI |
| 3 | UNIT: 1 – Geography of India <ul style="list-style-type: none"> ➤ Physical Setting – Landforms, Drainage, Climate. ➤ Regional Account of Sunderban and Marusthali | MR. RASHBIHARI GARAIN |

SEMESTER V
GEOGRAPHY
(GENERAL)
COURSE CC 1A
COURSE TITLE: : GEOGRAPHY OF INDIA (PRACTICAL)
Theory Credits: 2

| SL. NO | SYLLABUS | TEACHER'S NAME |
|--------|--|---|
| 1 | <p>UNIT: 2 – Field Work</p> <ul style="list-style-type: none"> ➤ Students will prepare a field report based on primary data collected form field survey and secondary data collected from different sources for either a rural area (mouza) or anurban area (municipal ward) based on cadastral or municipal maps to study specific problems ➤ The report should be hand written in candidate’s own words (within 2000 words) ➤ The total number of pages in the Field Report should not exceed 30 pages includingtexts, figures, tables, photographs, maps, references (APA) and appendices ➤ A copy of the bound report, duly signed by the concerned teacher, should be submitted ➤ Preparation of maps (hand-drawn) with suitable scale and latitude-longitude | <p>MR. SUBRATA DEWASI</p> <p>&</p> <p>MR. RASHBIHARI GARAIN</p> |