

Modules of Classes and Examinations, 2018-19

B.A / B.Sc. (Honours) in Geography

Semester-I

Hiralal Bhakat College, Nalhati

Core Course 1 Geotectonics and Geomorphology

- Total 75 Marks
- 60 Marks for Semester-end-Examination# (will be organized by University)
- 10+5=15 Marks for Internal Assessment (will be organized by College in general and Department in Particular)
- 10 Marks for Class Test/ Assignment/ Seminar
- 5 Marks for Attendance
 - Attendance: 50% & above but below 60% - 2 Marks
 - Attendance: 60% & above but below 75% - 3 Marks
 - Attendance: 75% & above but below 90% - 4 Marks
 - Attendance: 90% & Above - 5 Marks

Internal Assessment	Component 1 (C ₁)	Component 2 (C ₂)
Weightage	5 Marks	5 Marks
Number of Questions	To be announced	To be announced
Date	To be announced	To be announced
Time	To be announced	To be announced
Syllabus	<ol style="list-style-type: none">1. Earth's tectonic and structural evolution with reference to geological time scale.2. Earth's interior with special reference to Seismology.3. Concept of Isostasy: Theories of Airy and Pratt.4. Degradational Process: Weathering, Mass Wasting and resultant landforms.	<ol style="list-style-type: none">1. Earth's tectonic and structural evolution with reference to geological time scale .2. Earth's interior with special reference to seismology.3. Concept of Isostasy: Theories and Airy and Pratt.4. Degradational Process: Weathering, Mass Wasting and resultant Landforms.5. Slope Development: Concept of Wood.6. Plate Tectonics: Processes at constructive, conservative, destructive boundaries and hotspots: resulting landforms.7. Development of river network and landforms on uniclinal and folded structures

		8. Models of landscape evolution: Views of Davis, Penck, and Hack
Name of Teacher(s)	IM, BM, SS, IC, CG	IM, BM, SS, IC, CG
Number of Classes	64 (Tentative)	128 (Tentative)
<p>#Component 3 (C₃)</p> <ul style="list-style-type: none"> ➤ 60Marks for Semester-end-Examination (will be organized by University) ➤ Answer 10 questions out of 15 carrying 02 marks each = 10 x 02 = 20 marks ➤ Answer 04 questions out of 06 carrying 05 marks each = 04 x 05 = 20 marks ➤ Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks ➤ Whole Syllabus of CC 1 		

Core Course 2 Cartographic Techniques and Geological map study

- Total 75 Marks
- 60=40 Marks(Theory) + 20 Marks (Practical) for Semester-end-Examination# (will be organized by University)
- 10+5=15 Marks for Internal Assessment (will be organized by College in general and Department in Particular)
- 10 Marks for Class Test/ Assignment/ Seminar
- 5 Marks for Attendance
 - Attendance: 50% & above but below 60% - 2 Marks
 - Attendance: 60% & above but below 75% - 3 Marks
 - Attendance: 75% & above but below 90% - 4 Marks
 - Attendance: 90% & Above - 5 Marks

Internal Assessment	Component 1 (C₁)	Component 2 (C₂)
Weightage	5 Marks	5 Marks
Number of Questions	To be announced	To be announced
Date	To be announced	To be announced
Time	To be announced	To be announced
Syllabus	1. Maps: Classification and Types. Components of a Map 2. Concept of Scales: Plain, Comparative, Diagonal and Vernier 3. Coordinate Systems: Polar and Rectangular. Concept of Geoid and Spheroid. Map Projections: Classification, Properties and Uses. Concept	1. Maps: Classification and Types. Components of a Map 2. Concept of Scales: Plain, Comparative, Diagonal and Vernier 3. Coordinate Systems: Polar and Rectangular. Concept of Geoid and Spheroid. Map Projections: Classification,

	<p>and Significance of UTM Projection</p> <p>4. Concept of Generating Globe, Grids: Angular and Linear Systems of Measurement</p>	<p>Properties and Uses. Concept and Significance of UTM Projection.</p> <p>4. Concept of Generating Globe, Grids: Angular and Linear Systems of Measurement</p> <p>5. Construction of Scales: Plain, Comparative, Diagonal and Vernier</p> <p>6. Concept of Generating Globe, Grids: Angular and Linear Systems of Measurement</p> <p>7. 7. Construction of Projections: Polar Zenithal Stereographic, Simple Conic with two Standard Parallels, Bonne's and Mercator's</p>
Name of Teacher(s)	IM, BM, SS, IC, CG	IM, BM, SS, IC, CG
Number of Classes	64 (Tentative)	128 (Tentative)
<p>#Component 3 (C₃)</p> <ul style="list-style-type: none"> ➤ Whole Syllabus of CC 2 ➤ Theory (Cartographic Techniques and Geological Map Study) = 40 Marks Answer 05 questions out of 08 carrying 02 marks each = 05 x 02 = 10 marks Answer 02 questions out of 04 carrying 05 marks each = 02 x 05 = 10 marks Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks ➤ Practical (Cartographic Techniques and Geological map study) = 20 Marks Laboratory Note Book: 05 Marks Viva- voce: 05 Marks Experiment: 40 Marks (This 40 marks will be transformed into 10 Marks) ➤ A project File (Laboratory Note Book), comprising one exercise each is to be submitted. 		

Modules of Classes and Examinations, 2018-19

B.A / B.Sc. (Honors) in Geography

Semester-III

Hiralal Bhakat College, Nalhati

Core Course 5 Climatology

- Total 75 Marks
- 60 Marks for Semester-end-Examination[#] (will be organized by University)
- 10+5=15 Marks for Internal Assessment (will be organized by College in general and Department in Particular)
- 10 Marks for Class Test/ Assignment/ Seminar
- 5 Marks for Attendance
 - Attendance: 50% & above but below 60% - 2 Marks
 - Attendance: 60% & above but below 75% - 3 Marks
 - Attendance: 75% & above but below 90% - 4 Marks
 - Attendance: 90% & Above - 5 Marks

Internal Assessment	Component 1 (C₁)	Component 2 (C₂)
Weightage	5 Marks	5 Marks
Number of Questions	To be announced	To be announced
Date	To be announced	To be announced
Time	To be announced	To be announced
Syllabus	<ol style="list-style-type: none">1. Nature, composition and layering of the atmosphere,2. Insolation: controlling factors. Heat budget of the atmosphere.3. Temperature: horizontal and vertical distribution. Inversion of temperature: types, causes and consequences.4. Condensation: Processes and forms. Mechanism of precipitation: Bergeron-Findeisen theory, collision and coalescence. Forms of precipitation.	<ol style="list-style-type: none">1. Nature, composition and layering of the atmosphere,2. Insolation: controlling factors. Heat budget of the atmosphere.3. Temperature: horizontal and vertical distribution. Inversion of temperature: types, causes and consequences.4. Greenhouse effect and importance of ozone layer5. Condensation: Processes and forms. Mechanism of precipitation: Bergeron-Findeisen theory, collision and coalescence. Forms of precipitation.6. Air mass: Typology, origin, characteristics and modification.7. Fronts: warm and cold; frontogenesis and frontolysis.8. Tropical and mid-latitude cyclones

Name of Teacher(s)	IM, BM, SS, IC, CG	IM, BM, SS, IC, CG
Number of Classes	64 (Tentative)	128 (Tentative)
<p>#Component 3 (C₃)</p> <ul style="list-style-type: none"> ➤ 60Marks for Semester-end-Examination (will be organized by University) ➤ Answer 10 questions out of 15 carrying 02 marks each = 10 x 02 = 20 marks ➤ Answer 04 questions out of 06 carrying 05 marks each = 04 x 05 = 20 marks ➤ Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks <p>➤ Whole Syllabus of CC 5</p>		

Core Course 6 (CC 6) – Statistical Methods in Geography

- Total 75 Marks
- 60=40 Marks(Theory) + 20 Marks (Practical) for Semester-end-Examination# (will be organized by University)
- 10+5=15 Marks for Internal Assessment (will be organized by College in general and Department in Particular)
- 10 Marks for Class Test/ Assignment/ Seminar
- 5 Marks for Attendance
 - Attendance: 50% & above but below 60% - 2 Marks
 - Attendance: 60% & above but below 75% - 3 Marks
 - Attendance: 75% & above but below 90% - 4 Marks
 - Attendance: 90% & Above - 5 Marks

Internal Assessment	Component 1 (C ₁)	Component 2 (C ₂)
Weightage	5 Marks	5 Marks
Number of Questions	To be announced	To be announced
Date	To be announced	To be announced
Time	To be announced	To be announced
Syllabus	<ol style="list-style-type: none"> 1. 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 2. Collection of data and formation of statistical tables 3. Sampling: Need, types, and significance and methods of 	<ol style="list-style-type: none"> 1. Collection of data and formation of statistical tables 2. Sampling: Need, types, and significance and methods of random sampling 3. Distribution: frequency, cumulative frequency 4. Central tendency: Mean, median, mode, partition values

	random sampling 4. Central tendency: Mean, median, mode, partition values	5. Measures of dispersion range, mean deviation, standard deviation, coefficient of variation 6. Association and correlation: Rank correlation, product moment correlation 7. Linear Regression and time series analysis
Name of Teacher(s)	IM, BM, SS, IC, CG	IM, BM, SS, IC, CG
Number of Classes	64 (Tentative)	128 (Tentative)
<p>#Component 3 (C₃)</p> <ul style="list-style-type: none"> ➤ Whole Syllabus of CC 6 ➤ Theory (Statistical Methods in Geography) = 40 Marks Answer 05 questions out of 08 carrying 02 marks each = 05 x 02 = 10 marks Answer 02 questions out of 04 carrying 05 marks each = 02 x 05 = 10 marks Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks ➤ Practical (Statistical Methods in Geography) = 20 Marks Laboratory Note Book: 05 Marks Viva- voce: 05 Marks Experiment: 40 Marks (This 40 marks will be transformed into 10 Marks) ➤ A project File (Laboratory Note Book), comprising one exercise each is to be submitted. 		

Core Course 7 Geography Of India

- Total 75 Marks
- 60=40 Marks(Theory) + 20 Marks (Practical) for Semester-end-Examination# (will be organized by University)
- 10+5=15 Marks for Internal Assessment (will be organized by College in general and Department in Particular)
- 10 Marks for Class Test/ Assignment/ Seminar
- 5 Marks for Attendance
 - Attendance: 50% & above but below 60% - 2 Marks
 - Attendance: 60% & above but below 75% - 3 Marks
 - Attendance: 75% & above but below 90% - 4 Marks
 - Attendance: 90% & Above - 5 Marks

Internal Assessment	Component 1 (C₁)	Component 2 (C₂)
Weightage	5 Marks	5 Marks
Number of Questions	To be announced	To be announced
Date	To be announced	To be announced
Time	To be announced	To be announced
Syllabus	<ol style="list-style-type: none"> 1. Geology and physiographic divisions 2. Climate, soil and vegetation: Characteristics and classification 3. Population: Distribution, growth, structure and policy 4. Physical perspectives: Physiographic divisions, forest and water resources 	<ol style="list-style-type: none"> 1. Climate, soil and vegetation: Characteristics and classification 2. Population: Distribution, growth, structure and policy 3. Distribution of population by race, caste, religion, language, tribes 4. Agricultural regions, Green revolution and its consequences 5. Mineral and power resources distribution and utilisation of iron ore, coal, petroleum 6. Industrial development since independence. 7. Population: Growth, distribution and human development 8. Resources: Mining, agriculture and industries
Name of Teacher(s)	IM, BM, SS, IC, CG	IM, BM, SS, IC, CG
Number of Classes	64 (Tentative)	128 (Tentative)
<p>#Component 3 (C₃)</p> <ul style="list-style-type: none"> ➤ 60 Marks for Semester-end-Examination (will be organized by University) ➤ Answer 10 questions out of 15 carrying 02 marks each = 10 x 02 = 20 marks ➤ Answer 04 questions out of 06 carrying 05 marks each = 04 x 05 = 20 marks ➤ Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks <p>Whole Syllabus of CC 7</p>		

Skill Enhancement Course 1 Computer Basics And Computer Applications

- Total 50 Marks
- 50=40 Marks(Practical) for Semester-end-Examination# (will be organized by University) + 10 Marks for Class Test/ Assignment (will be organized by College in general and Department in Particular)

Internal Assessment	Component 1 (C₁)	Component 2 (C₂)
Weightage	5 Marks	5 Marks
Number of Questions	To be announced	To be announced
Date	To be announced	To be announced
Time	To be announced	To be announced
Syllabus	1. Numbering Systems; Binary Arithmetic 2. 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.	1. Numbering Systems; Binary Arithmetic Data Computation, Storing and Formatting in Spreadsheets: 2. Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation. 3. Preparation of Annotated Diagrams and its interpretation: Scatter diagram and Histogram 4. Internet Surfing: Generation and extraction of information
Name of Teacher(s)	IM, BM, SS, IC, CG	IM, BM, SS, IC, CG
Number of Classes	32 (Tentative)	64 (Tentative)
<p>#Component 3 (C₃)</p> <ul style="list-style-type: none"> ➤ Whole Syllabus of SEC 1 ➤ Practical (Computer Basics And Computer Applications) = 40 Marks Answer 03 questions out of 03 carrying 010 marks each = 03 x 10 = 30 marks Laboratory Note Book: 05 Marks Viva- voce: 05 Marks ➤ Internal assessment 10 		

Modules of Classes and Examinations, 2018-19

B.A / B.Sc. (Honours) in Geography

Part- III

Hiralal Bhakat College, Nalhati

Paper V Nature of Geography

- ❖ Total Marks is 100
- ❖ 100 Marks for Final Examination# (will be organized by University)
- ❖ 100 Marks for Test Examination (will be organized by College in general and Department in Particular)
- ❖ 50 Marks for Class Test-I
- ❖ 50 Marks for Class Test-II
- ❖ Candidates have to attend two (2) tests of 50 marks, arranged by college to attend university final examination.
- ❖ Candidates have to achieve 40% marks in college arranged examination to appear in university final examination.

Class Test	Class Test-I	Class Test-II
Weightage	50	50
Number of Questions	To be announced	To be announced
Date	To be announced	To be announced
Time	To be announced	To be announced
Syllabus	<ol style="list-style-type: none"> 1. Definition, Scope and Content of Geography 2. Development of Geography in the Ancient and Mediaeval Periods (up to 19th Century) 3. Development of schools of thought in modern geography (German School, French School) 4. Concepts of Determinism, Possibilism and Neo-Determinism 5. Concepts of Empiricism and Positivism 	<ol style="list-style-type: none"> 1. Development of Modern Scientific Geography in the 19th Century with particular. 2. Concepts and Types of Region. 3. Approaches to Geographic Studies: Systematic vs Regional and Ecological. 4. Environmental Issues Related to Urban and Industrial Expansion. 5. Region and Regionalism. 6. Critique of Quantitative Revolution in Geography. 7. Relationship among Population Growth, Economic Development and Environmental Conservation
Name Of the Teachers	IM, BM, SS, IC, CG	IM, BM, SS, IC, CG
Number Of Classes	50 (Tentative)	100 (Tentative)

Paper – VI Economic and Social Geography

- ❖ Total Marks is 100
- ❖ 100 Marks for Final Examination# (will be organized by University)
- ❖ 100 Marks for Test Examination (will be organized by College in general and Department in Particular)
- ❖ 50 Marks for Class Test-I
- ❖ 50 Marks for Class Test-II
- ❖ Candidates have to attend two (2) tests of 50 marks, arranged by college to attend university final examination.
- ❖ Candidates have to achieve 40% marks in college arranged examination to appear in university final examination.

Class Test	Class Test-I	Class Test-II
Weightage	50	50
Number of Questions	To be announced	To be announced
Date	To be announced	To be announced
Time	To be announced	To be announced
Syllabus	1. Resource: Concept and Classification, Economic and Environmental Approaches of Resource Utilisation 2. Different sources of Energy Resources, their Relative Importance, Production and Consumption 3. Problems of Resource Depletion - Global Scenario (Forest, Water, Fossil Fuels), 4. Necessity and Methods of Resource Conservation; Expanding Oceanic Resource Horizon. 5. Agricultural Systems: Plantation Agriculture and Mixed Farming	1. Models of Economic Activities: Von-Thunen, Weber, Losch 2. Industrial Regions: Great Lakes, Mumbai-Pune, Asansol-Durgapur 3. International Trade with Special Reference to WTO, EEC and SAARC 4. Races and Ethnicity: Major Racial Groups of the World 5. Concept of Culture and Its Components; Innovation, Diffusion and Convergence of Culture 6. Cultural Realms of the World and their Characteristics 7. Determinants and Dynamics of Population Growth 8. Growth of World Population; Demographic Transition Model 9. Migration: Types and Impact on Place of Origin and Destination 10. Population Policy: India and China
Name Of the Teachers	IM, BM, SS, IC, CG	IM, BM, SS, IC, CG
Number Of Classes	50 (Tentative)	100 (Tentative)

Paper VII Geography of India

- ❖ Total Marks is 100
- ❖ 100 Marks for Final Examination# (will be organized by University)
- ❖ 100 Marks for Test Examination (will be organized by College in general and Department in Particular)
- ❖ 50 Marks for Class Test-I
- ❖ 50 Marks for Class Test-II
- ❖ Candidates have to attend two (2) tests of 50 marks, arranged by college to attend university final examination.
- ❖ Candidates have to achieve 40% marks in college arranged examination to appear in university final examination.

Class Test	Class Test-I	Class Test-II
Weightage	50	50
Number of Questions	To be announced	To be announced
Date	To be announced	To be announced
Time	To be announced	To be announced
Syllabus	1. Geology and Structure with Special Reference to Himalayan Structure and Evolution of the Peninsular India 2. Drainage Systems: Evolution and Characteristics of Peninsular and Extra-Peninsular Rivers 3. Climatic Characteristics: Seasonality, Unevenness and Unreliability of Rainfall, Drought and Floods. 4. Agricultural Policy and Development since Independence 5. Agro-Climatic Regions in India and Impact of Green Revolution.	1. Physiographic Region of West Bengal 4.2. Problems of Flood and Drought and their Management 3. Regional Problems of Darjeeling Hill Region and Sundarbans 3. Regional Problems of Darjeeling Hill Region and Sundarbans. 2. Agro-Climatic Regions in India and Impact of Green Revolution 3. Industrial Policy and Development since Independence 4. Recent Trends of Industrialization with Special Reference to SEZs. 5. Bases and Schemes of Regionalization of India into Geographical Regions 6. Chotoanagpur Plateau 7. West Bengal Delta.
Name Of the Teachers	IM, BM, SS, IC, CG	IM, BM, SS, IC, CG
Number Of Classes	50 (Tentative)	100 (Tentative)

PAPER-VIII (PRACTICAL) APPLIED GEOGRAPHICAL TECHNIQUES AND FIELD REPORT

- ❖ Total Marks is 100
- ❖ 100 Marks for Final Examination# (will be organized by University)
- ❖ 100 Marks for Test Examination (will be organized by College in general and Department in Particular)
- ❖ 50 Marks for Class Test-I
- ❖ 50 Marks for Class Test-II
- ❖ Candidates have to attend two (2) tests of 50 marks, arranged by college to attend university final examination.
- ❖ Candidates have to achieve 40% marks in college arranged examination to appear in university final examination.

Class Test	Class Test-I	Class Test-II
Weightage	50	50
Number of Questions	To be announced	To be announced
Date	To be announced	To be announced
Time	To be announced	To be announced
Syllabus	1. Construction of Geological Section of Horizontal, Uniclinal, Folded and Faulted Structures Along with Igneous Intrusions and Line of Unconformity 2. Succession and Relation with Rock Groups 3. Topography and its Relation with Underlying Structures 4. Preparation of Synoptic Chart and Interpretation (Indian Context) 5. Interpretation of Daily Weather Maps Prepared by Indian Meteorological Department.	1. Digital Classification 2. Calculation of Central Tendency and Standard Deviation Using Formula 3. Bivariate Techniques: Scatter Diagram and Fitting of Trend Lines. 4. Basic Concepts of Remote Sensing, GIS and GPS. 5. Interpretation of Geological History. 6. Interpretation of Daily Weather Maps Prepared by Indian Meteorological Department. 7. Topography and its Relation with Underlying Structures.
Name Of the Teachers	IM, BM, SS, IC, CG	IM, BM, SS, IC, CG
Number Of Classes	50 (Tentative)	100 (Tentative)