MAHARAJA SRISCHANDRA COLLEGE

DEPARTMENT OF GEOGRAPHY

ONLINE TIME TABLE 2020 - 21

B.A/B.Sc. SEMESTER (HONOURS & GENERAL) UNDER CBCS

TIME / DAYS	CLASS	4.00pm - 5.00pm	5.00pm – 6.00pm	6.00pm – 7.00pm	7.00pm - 8.00pm	8.00pm -9.00pm
MONDAY	6TH SEM. (H)		SGS		MS	GEOG (P) - SB
	6TH SEM. (G)		GEOG (P) - MS	LCC		POL.Sc. / HINDI
	4TH SEM. (H)	SB	ECO/EDU	MS		GEOG (P) - MS
	4TH SEM. (G)				GEOG (P) - SGS	
	2NDSEM. (H)		POL.Sc. /HINDI	SGS	SB	
	2NDSEM (G)		POL.Sc. /HINDI			
TUESDAY	6TH SEM. (H)		SB	SGS		MS
	6TH SEM. (G)			GEOG - MS		ECO/EDU
	4TH SEM. (H)				SGS	SB
	4TH SEM. (G)		GEOG - SGS	POL.Sc. /HINDI		LCC
	2ND SEM. (H)		MS	GEOG (P) - SB		
	2NDSEM (G)			ECO/EDU	GEOG (P) - MS	
WEDNESDAY	6TH SEM. (H)		GKN	GEOG (P) - SB	SGS	GEOG (P) - GKN
	6TH SEM. (G)			LCC		POL.Sc. / HINDI
	4TH SEM. (H)	GEOG (P) - SGS	ECO/EDU	GEOG (P) –GKN		GEOA (SEC)-SGS
	4TH SEM. (G)				GEOG - SB	
	2ND SEM. (H)		POL.Sc. /HINDI	SGS		
	2ND SEM.(G)	GEOG (P) - SB	POL.Sc. /HINDI			
THURSDAY	6TH SEM. (H)		GEOG (P) - MS	GKN		SGS
	6TH SEM. (G)			GEOG - SGS		ECO/EDU
	4TH SEM. (H)		SGS		GEOG (P) –GKN	GEOA (SEC) - MS
	4TH SEM. (G)			POL.Sc. /HINDI		LCC
	2NDSEM. (H)		GKN	MS		
	2ND SEM (G)			ECO/EDU	GEOG - MS	
FRIDAY	6TH SEM. (H)		GEOG (P) - GKN		GKN	GEOG (P) - MS
	6TH SEM. (G)	GEOG(SEC)-SGS		LCC		POL.Sc. / HINDI
	4TH SEM. (H)		ECO/EDU	MS		GEOG (P) –SGS
	4TH SEM. (G)				GEOG (SEC) - MS	
	2NDSEM. (H)	GEOG (P) - MS	POL.Sc. /HINDI	GEOG (P) - SGS		GKN
	2ND SEM (G)		POL.Sc. /HINDI			
SATURDAY	6TH SEM. (H)		GEOG (P) - SB	GEOG (P) - MS		GKN
	6TH SEM. (G)			GEOG (P) - GKN		ECO/EDU
	4TH SEM. (H)		GEOG (P) - MS		GKN	SB
	4TH SEM. (G)	GEOG (P) -SB		POL.Sc. /HINDI		LCC
	2ND SEM. (H)		GEOG(P) - GKN	SB		
	2ND SEM (G)			ECO/EDU	GEOG - MS	

MAHARAJA SRISCHANDRA COLLEGE

DEPARTMENT OF GEOGRAPHY

SYLLABUS DISTRIBUTION of 2nd, 4th & 6th Semester
2020 – 2021 session

B.A/B.Sc. 2ND SEMESTER (HONOURS) UNDER CBCS

GEO-A-CC-2-03-TH – Human Geography

Unit I: Nature and Principles

1. Nature, scope and recent trends. Elements of human geography [4] *(Prof. S.G.S.)*
2. Approaches to Human Geography: Resource, locational, landscape, environment [6] *(Prof. S.G.S.)*
3. Concept and classification of race. Ethnicity [5] *(Prof. S.G.S.)*
4. Space, society, and cultural regions (language and religion) [5] *(Prof. S.G.S.)*

Unit II: Society, Demography and Ekistics

5. Evolution of human societies: Hunting and food gathering, pastoral nomadism, subsistence farming, and industrial society [6] *(Prof. S.G.S.)*
6. Human adaptation to environment: Case studies of Eskimo, Masai and Maori [4] *(Prof. S.G.S.)*
7. Population growth and distribution, composition; demographic transition [5] *(Prof. M.S.)*
8. Population–resource regions (Ackerman) [5] *(Prof. M.S.)*
9. Development–environment conflict [5] *(Prof. M.S.)*
10. Types and patterns of rural settlements [5] *(Prof. M.S.)*
11. Rural house types in India [5] *(Prof. M.S.)*
12. Morphology and hierarchy of urban settlements [5] *(Prof. M.S.)*

GEO-A-CC-2-03-P – Human Geography

A laboratory notebook, comprising class assignments of the following is to be prepared and submitted. The exercises are to be drawn in pencil with photocopied representation of source materials where necessary. All texts are to be handwritten.

1. Spatial variation in continent- or country-level religious composition by divided proportional circles [12] *(Prof. S.G.S.)*

2. Measuring arithmetic growth rate of population comparing two decadal datasets [15] *(Prof.S.G.S.)*

3. Types of age-sex pyramids (progressive, regressive, intermediate, and stationary): Graphical representation and analysis [20] *(Prof. M.S.)*

4. Nearest neighbour analysis from Survey of India 1:50k topographical maps of plain region (c. 5' x 5') [13] *(Prof. M.S.)*

5. Viva-voce based on laboratory notebook (5 Marks)

GEO-A-CC-2-04-TH – Thematic Mapping and Surveying

1. Concepts of rounding, scientific notation. Logarithm and anti-logarithm. Natural and log scales [4] ***(Prof. G.K.N.)***
2. Concept of diagrammatic representation of data [2] ***(Prof. G.K.N.)***

3. Preparation and interpretation of geological maps [5] ***(Prof. S.B.)***

4. Preparation and interpretation of weather maps [5] ***(Prof. S.B.)***

5. Preparation and interpretation land use land cover maps [5] ***(Prof. S.B.)***

6. Preparation and interpretation of socio-economic maps [5] ***(Prof. S.B.)***

7. Principal national agencies producing thematic maps in India: NATMO, GSI, NBSSLUP, NHO, and NRSC / Bhuvan [5] ***(Prof. S.B.)***

8. Basic concepts of surveying and survey equipment: Prismatic compass [5] ***(Prof. S.B.)***

9. Basic concepts of surveying and survey equipment: Dumpy level [7] ***(Prof. G.K.N.)***

10. Basic concepts of surveying and survey equipment: Theodolite [7] ***(Prof. G.K.N.)***

11. Basic concepts of surveying and survey equipment: Abney level [5] ***(Prof. G.K.N.)***

12. Basic concepts of surveying and survey equipment: Laser distance measurer [5] ***(Prof. G.K.N.)***

GEO-A-CC-2-04-P – Thematic Mapping and Surveying

A laboratory notebook, comprising class assignments of the following is to be prepared and submitted.The exercises are to be drawn in pencil with photocopied representation of source materials where necessary. All texts are to be handwritten.

1. Traverse survey using prismatic compass [10] ***(Prof. S.B.)***

2. Profile survey using dumpy Level [12] ***(Prof. G.K.N.)***

3. Height determination of base accessible and inaccessible (same vertical plane method) objects by theodolite [18] ***(Prof. G.K.N.)***

4. Interpretation of geological maps with uniclinal structure, folds, unconformity, and intrusions [20] ***(Prof. S.B.)***

5. Viva-voce based on laboratory notebook (5 Marks)

****

MAHARAJA SRISCHANDRA COLLEGE

DEPARTMENT OF GEOGRAPHY

SYLLABUS DISTRIBUTION 2020 - 2021

B.A/B.Sc. 4TH SEMESTER (HONOURS) UNDER CBCS

GEO-A-CC-4-08-TH – Economic Geography

Unit I: Concepts

1. Meaning and approaches to economic geography [4] *(Prof. S.B.)*
2. Concepts in economic geography: Goods and services, production, exchange, and consumption [6] *(Prof.S.B.)*
3. Concept of economic man. Theories of choices [6] *(Prof. S.B.)*
4. Economic distance and transport costs [4] *(Prof. S.B.)*

Unit II: Economic Activities

5. Concept and classification of economic activities [4] *(Prof. S.B.)*
6. Factors affecting location of economic activity with special reference to agriculture (von Thünen), and industry (Weber) [6] *(Prof. S.B.)*
7. Primary activities: Agriculture, forestry, fishing, and mining [6] *(Prof. G.K.N.)*
8. Secondary activities: Classification of manufacturing, concept of manufacturing regions, special economic zones and technology parks [6] *(Prof. G.K.N.)*
9. Tertiary activities: Transport, trade and services [6] *(Prof. G.K.N.)*
10. Transnational sea-routes, railways and highways with reference to India [4] *(Prof. G.K.N.)*
11. International trade and economic blocs [4] *(Prof. G.K.N.)*
12. WTO and BRICS: Evolution, structure and functions [4] *(Prof. G.K.N.)*

GEO-A-CC-4-08-P – Economic Geography

A laboratory notebook, comprising class assignments of the following is to be prepared and submitted. The exercises are to be drawn in pencil with photocopied representation of source materials where necessary. All texts are to be handwritten.

1. Choropleth mapping of state-wise variation in GDP [10] *(Prof. S.G.S.)*

2. State-wise variation in occupational structure by proportional divided circles [15] *(Prof. S.G.S.)*

3. Time series analysis of industrial production (India and West Bengal) [20] *(Prof. M.S.)*

4. Transport network analysis by detour index and shortest path analysis [15] *(Prof. M.S.)*

5. Viva-voce based on laboratory notebook (5 Marks)

GEO-A-CC-4-09-TH – Regional Planning and Development

Unit I: Regional Planning

1. Regions: Concept, types, and delineation [4] ***(Prof. S.G.S.)***

2. Regional Planning: Types, principles, objectives, tools and techniques [6] ***(Prof. S.G.S.)***

3. Regional planning and multi-level planning in India [6] ***(Prof. S.G.S.)***

4. Concept of metropolitan area and urban agglomeration [4] ***(Prof. S.G.S.)***

Unit I: Regional Development

5. Concept of growth and development, growth versus development [6] ***(Prof. S.G.S.)***

6. Indicators of development: Economic, demographic, and environmental [6] ***(Prof. S.G.S.)***

7. Human development: Concept and measurement [4] ***(Prof. M.S.)***

8. Theories and models for regional development: Cumulative causation (Myrdal) [4] ***(Prof. M.S.)***

9. Models and theories in regional development: Stages of development (Rostow), growth pole model (Perroux) [6] ***(Prof. M.S.)***

10. Underdevelopment: Concept and causes [4] ***(Prof. M.S.)***

11. Regional development in India: Disparity and diversity [5] ***(Prof. M.S.)***

12. Need and measures for balanced development in India [5] ***(Prof. M.S.)***

GEO-A-CC-4-09-P – Regional Planning and Development

A laboratory notebook, comprising class assignments of the following is to be prepared and submitted.
The exercises are to be drawn in pencil with photocopied representation of source materials where
necessary. All texts are to be handwritten.

1. Delineation of formal regions by weighted index method [15] ***(Prof. M.S.)***

2. Delineation of functional regions by breaking point analysis [15] ***(Prof. G.K.N.)***

3. Measurement of inequality by location quotient [15] ***(Prof. M.S.)***

4. Measuring regional disparity by Sopher index [15] ***(Prof. G.K.N.)***

5. Viva-voce based on laboratory notebook (5 Marks)

GEO-A-CC-4-10-TH – Soil and Biogeography

Unit I: Soil Geography (Prof. M.S.)

1. Factors of soil formation [3]

2. Definition and significance of soil properties: Texture, structure, and moisture [5]

3. Definition and significance of soil properties: pH, organic matter, and NPK [5]

4. Soil profile. Origin and profile characteristics of lateritic, podsol and chernozem soils [6]

5. Soil erosion and degradation: Factors, processes and management measures. Humans as active agents of soil transformation [5]

6. Principles of soil classification: Genetic and USDA. Concept of land capability and its classification [6]

Unit II: Biogeography (Prof. S.B.)

7. Concepts of biosphere, ecosystem, biome, ecotone, community and ecology [5]

8. Concepts of trophic structure, food chain and food web. Energy flow in ecosystems [5]

9. Classification of world biomes (Whittaker). Geographical extent and characteristics of tropical rain forest, savanna, hot desert, taiga and coral reef biomes [8]

10. Bio-geochemical cycles with special reference to carbon dioxide and nitrogen [4]

11. Deforestation: Causes, consequences and management [4]

12. Biodiversity: Definition, types, threats and conservation measures [4]

GEO-A-CC-4-10-P – Soil and Biogeography

A laboratory notebook, comprising class assignments of the following is to be prepared and submitted.
The exercises are to be drawn in pencil with photocopied representation of source materials where
necessary. All texts are to be handwritten.

1. Determination of soil reaction (pH) and salinity using field kit [15] *(Prof. G.K.N.)*

2. Determination of soil type by ternary diagram textural plotting [15] *(Prof. G.K.N.)*

3. Plant species diversity determination by matrix method [10] *(Prof. S.G.S.)*

4. Time series analysis of biogeography data [20] *(Prof. S.G.S.)*

5. Viva-voce based on laboratory notebook (5 Marks)

GEO-A-SEC-B-4-03-TH – Rural Development

1. Rural Development: Concept, basic elements, measures of level of rural development [5] *(Prof.M.S.)*

2. Paradigms of rural development: Gandhian approach to rural development Lewis model of economic development, 'big push' theory of development, Myrdal's model of 'spread and backwash effects' [10] *(Prof. M.S.)*

3. Area based approach to rural development: Drought prone area programmes, PMGSY, SJSY, MNREGA, Jan Dhan Yojana [10] *(Prof. S.G.S.)*

4. Rural Governance: Panchayati Raj System and rural development policies and Programmes in India [5] *(Prof. S.G.S.)*

****

MAHARAJA SRISCHANDRA COLLEGE

DEPARTMENT OF GEOGRAPHY

SYLLABUS DISTRIBUTION 2020 - 2021

B.A/B.Sc. 6TH SEMESTER (HONOURS) UNDER CBCS

GEO-A-CC-6-13-TH – Evolution of Geographical Thought

Unit I: Nature of Pre Modern Geography (Prof. S.G.S.)

1. Development of pre-modern Geography: Contributions of Greek, Chinese, and Indian geographers [5]
2. Impact of 'Dark Age' in Geography and Arab contributions [5]
3. Geography during the age of 'Discovery' and 'Exploration' (contributions of Portuguese voyages, Columbus, Vasco da Gama, Magellan, Thomas Cook) [5]
4. Transition from cosmography to scientific Geography (contributions of Bernard Varenius and Immanuel Kant). Dualism and Dichotomies (General vs. Particular, Physical vs. Human, Regional vs. Systematic, Determinism vs. Possibilism, Ideographic vs. Nomothetic) [7]

Unit II: Foundations of Modern Geography and Recent Trends (Prof. S.G.S.)

5. Evolution of Geographical thoughts in Germany, France, Britain, and United States of America [5]
6. Contributions of Humboldt and Ritter [3]
7. Contributions of Richthofen, Hartshorne–Schaeffer, Ratzel, La Blaché [6]
8. Trends of geography in the post World War-II period: Quantitative revolution, systems approach [7]
9. Structuralism and historical materialism [3]
10. Changing concept of space with special reference to Harvey [5]
11. Evolution of Critical Geography: Behavioural, humanistic, and radical [5]
12. Towards post modernism: Geography in the 21st Century [5]

GEO-A-CC-6-13-P – Evolution of Geographical Thought

A laboratory notebook, comprising class assignments of topics 1 and 2, is to be prepared and submitted.
The exercises are to be drawn in pencil with photocopied representation of source materials where
necessary. All texts are to be handwritten.

1. Changing perception of maps of the world (Ptolemy, Ibn Batuta, Mercator) ***(Prof. G.K.N)***

2. Mapping voyages; Columbus, Vasco da Gama, Magellan, Thomas Cook ***(Prof. G.K.N.)***

3. Group Presentation of five to ten students on any selected school of geographical thought (20 marks)
(Prof. M.S.)

4. Viva-voce based on laboratory notebook on topics 1 and 2 (10 Marks)

GEO-A-CC-6-14-TH – Hazard Management

Unit I: Concepts

1. Classification of hazards and disasters. Hazard continuum [4] ***(Prof. S.B.)***
2. Approaches to hazard study: Risk perception and vulnerability assessment. Hazard paradigms [6]
(Prof. S.B.)
3. Responses to hazards: Preparedness, trauma, and aftermath. Resilience, capacity building [5] ***(Prof. G.K.N.)***
4. Hazards mapping: Data and geospatial techniques (for hazards enlisted in Unit II and GEO-A-CC-6-14-P) [5] ***(Prof. G.K.N.)***

Unit II: Hazard-specific Study with Focus on West Bengal and India

5. Earthquake: Factors, vulnerability, consequences, and management [5] ***(Prof. S.B.)***
6. Landslide: Factors, vulnerability, consequences, and management [5] ***(Prof. S.B.)***
7. Land subsidence: Factors, vulnerability, consequences, and management [5] ***(Prof. S.B.)***
8. Tropical cyclone: Factors, vulnerability, consequences, and management [5] ***(Prof. S.B.)***
9. Flood: Factors, vulnerability, consequences, and management [5] ***(Prof. G.K.N.)***
10. Riverbank erosion: Factors, vulnerability, consequences, and management [5] ***(Prof. G.K.N.)***
11. Fire: Factors, vulnerability, consequences, and management [5] ***(Prof. G.K.N.)***
12. Biohazard: Classification, vulnerability, consequences, and management [5] ***(Prof. G.K.N.)***

GEO-A-CC-6-14-P – Hazard Management Lab

A Group Project Report is to be prepared and submitted based on any one case study among the following hazards from West Bengal, incorporating a preparedness plan, preferably in the vicinity of the candidates' institution / district:
1. Earthquake
2. Landslide
3. Land subsidence
4. Thunderstorm
5. Flood
6. Riverbank / Coastal erosion
7. Fire
8. Industrial accident
9. Road / Railway accident
10. Structural collapse
11. Environmental pollution
12. Biohazard

- ***One case study will be done by a group of five to ten students. Different groups may choose different case studies from any one or different types of disasters. The report should be prepared on secondary data and handwritten on A4 page in candidates' own words not exceeding 2,000 words excluding references. The report should contain a proper title. The report should incorporate relevant tables, maps, diagrams, and references, not exceeding ten pages. Photographs are optional and should not exceed three. A copy of the stapled / spiral-bound report in a transparent cover, duly signed by the concerned teacher, is to be submitted during examination.***
- ***Without the report the candidates will not be evaluated for GEO-A-CC-6-14-P.***

- ***Marks division: 20 on report + 10 on viva-voce = 30***

GEO-A-DSE-A-6-04-TH – Resource Geography

Unit I: Resource and Development (Prof. G.K.N.)

1. Natural resources: Concept and classification [4]
2. Approaches to resource utilization: Utilitarian, conservational, community based adaptive [6]
3. Significance of resources: Backbone of economic growth and development [5]
4. Pressure on resources. Appraisal and conservation of natural resources [5]
5. Problems of resource depletion: global scenario (forest, water, fossil fuels) [7]
6. Sustainable resource development [3]

Unit II: Resource Conflict and Management (Prof. M.S.)

7. Distribution, utilisation, problems and management of metallic mineral resources: Iron ore, bauxite, copper [6]
8. Distribution, utilisation, problems and management of non-metallic mineral resources: Limestone, mica, gypsum [6]
9. Distribution, utilisation, problems and management of energy resources: Conventional and non-conventional [6]
10. Contemporary energy crisis and future scenario [4]
11. Politics of power resources [3]
12. Limits to growth and sustainable use of resources. Concept of resource sharing [5]

GEO-A-DSE-A-6-04-P – Resource Geography

A laboratory notebook, comprising class assignments of the following, is to be prepared and submitted.
The exercises are to be drawn in pencil with photocopied representation of source materials where
necessary. All texts are to be handwritten.

1. Mapping and area estimate of changes in forest or vegetation cover from maps and/or satellite images [15] *(Prof. S.B.)*

2. Mapping and number estimate of changes in water bodies from maps and/or satellite images [15] *(Prof.S.B)*

3. Decadal changes in state-wise production of coal and iron ore [15] *(Prof. M.S.)*

4. Computing Human Development Index: Comparative decadal change of top five Indian states [15]
(Prof. M.S.)

5. Viva-voce based on laboratory notebook (5 Marks)

GEO-A-DSE-B-6-08-TH – Geography of India

Unit I: Geography of India

1. Physiographic divisions with reference to tectonic provinces [5] *(Prof. M.S.)*

2. Climate, soil and vegetation: Classification and interrelation [6] *(Prof. M.S.)*

3. Population: Distribution, growth, structure, and policy [4] *(Prof. M.S.)*
4. Tribes of India with special reference to Gaddi, Toda, Santal, and Jarwa [5] *(Prof. M.S.)*

5. Agricultural regions. Green revolution and its consequences [4] *(Prof. M.S.)*

6. Mineral and power resources: Distribution and utilisation of iron ore, coal, petroleum, and natural gas [6] *(Prof. M.S.)*

7. Industrial development: Automobile and information technology [3] *(Prof. G.K.N.)*

8. Regionalisation of India: Physiographic (R.L. Singh) and economic (P. Sengupta) [7] *(Prof. G.K.N.)*

Unit II: Geography of West Bengal (Prof. G.K.N.)

9. Physical perspectives: Physiographic divisions, forest and water resources [6]

10. Resources: Agriculture, mining,, and industry [6]

11. Population: Growth, distribution, and human development [4]

12. Regional issues: Darjeeling Hills and Sundarban [4]

GEO-A-DSE-B-6-08-P –Geography of India

A laboratory notebook, comprising class assignments of the following, is to be prepared and submitted.
The exercises are to be drawn in pencil with photocopied representation of source materials where
necessary. All texts are to be handwritten.

1. Monthly temperature and rainfall graphs of five select stations from different physiographic regions of India [15] *(Prof. M.S.)*

2. Crop combination: Comparison of any two contrasting districts from West Bengal [15] *(Prof. M.S.)*

3. Annual trends of production: Mineral resources and manufacturing goods over two decades [20]
(Prof. G.K.N.)

4. Composite Index: Comparison of developed and backward states of India [10] *(Prof. G.K.N.)*

5. Viva-voce based on laboratory notebook (5 Marks)

****