

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	6 TH SEM. (H)		SGS		MS	GEOG (P) - SB
	6 TH SEM. (G)		GEOG (P) - MS	LCC		POL.Sc. / HINDI
	4 TH SEM. (H)	SB	ECO/EDU	MS		GEOG (P) - MS
	4 TH SEM. (G)				GEOG (P) - SGS	
	2 ND SEM. (H)		POL.Sc. /HINDI	SGS	SB	
	2 ND SEM (G)		POL.Sc. /HINDI			
TUESDAY	6 TH SEM. (H)		SB	SGS		MS
	6 TH SEM. (G)			GEOG - MS		ECO/EDU
	4 TH SEM. (H)				SGS	SB
	4 TH SEM. (G)		GEOG - SGS	POL.Sc. /HINDI		LCC
	2 ND SEM. (H)		MS	GEOG (P) - SB		
	2 ND SEM (G)			ECO/EDU	GEOG (P) - MS	
WEDNESDAY	6 TH SEM. (H)		GKN	GEOG (P) - SB	SGS	GEOG (P) - GKN
	6 TH SEM. (G)			LCC		POL.Sc. / HINDI
	4 TH SEM. (H)	GEOG (P) - SGS	ECO/EDU	GEOG (P) - GKN		GEOA (SEC)-SGS
	4 TH SEM. (G)				GEOG - SB	
	2 ND SEM. (H)		POL.Sc. /HINDI	SGS		
	2 ND SEM.(G)	GEOG (P) - SB	POL.Sc. /HINDI			
THURSDAY	6 TH SEM. (H)		GEOG (P) - MS	GKN		SGS
	6 TH SEM. (G)			GEOG - SGS		ECO/EDU
	4 TH SEM. (H)		SGS		GEOG (P) - GKN	GEOA (SEC) - MS
	4 TH SEM. (G)			POL.Sc. /HINDI		LCC
	2 ND SEM. (H)		GKN	MS		
	2 ND SEM (G)			ECO/EDU	GEOG - MS	
FRIDAY	6 TH SEM. (H)		GEOG (P) - GKN		GKN	GEOG (P) - MS
	6 TH SEM. (G)	GEOG(SEC)-SGS		LCC		POL.Sc. / HINDI
	4 TH SEM. (H)		ECO/EDU	MS		GEOG (P) - SGS
	4 TH SEM. (G)				GEOG (SEC) - MS	
	2 ND SEM. (H)	GEOG (P) - MS	POL.Sc. /HINDI	GEOG (P) - SGS		GKN
	2 ND SEM (G)		POL.Sc. /HINDI			
SATURDAY	6 TH SEM. (H)		GEOG (P) - SB	GEOG (P) - MS		GKN
	6 TH SEM. (G)			GEOG (P) - GKN		ECO/EDU
	4 TH SEM. (H)		GEOG (P) - MS		GKN	SB
	4 TH SEM. (G)	GEOG (P) - SB		POL.Sc. /HINDI		LCC
	2 ND SEM. (H)		GEOG(P) - GKN	SB		
	2 ND SEM (G)			ECO/EDU	GEOG - MS	

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SYLLABUS DISTRIBUTION of 2nd, 4th & 6th Semester

2020 – 2021 session

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

GEO-G-CC-2-02-TH – Environmental Geography

Unit I: Climatology (Prof. M.S.)

1. Insolation and Heat Budget. Horizontal and vertical distribution of atmospheric temperature and pressure [5]
2. Overview of planetary wind systems. Indian Monsoons: Mechanisms and controls [6]
3. Atmospheric disturbances: Tropical and temperate cyclones. Thunderstorms [7]
4. Overview of global climatic change: Greenhouse effect. Ozone depletion [5]
5. Scheme of world climatic classification by Köppen [2]

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

6. Factors of soil formation [4]
7. Soil profile development under different climatic conditions: Laterite, Podsol, and Chernozem [6]
8. Physical and chemical properties of soils: Texture, structure, pH, salinity, and NPK status [6]
9. USDA classification of soils. Soil erosion and its management [4]

Unit III: Biogeography (Prof. M.S.)

10. Ecosystem and Biomes. Distribution and characteristics of tropical rainforest; Savannah, and hot desert biomes [6]
11. Plant types, occurrence and ecological adaptations: Halophytes, xerophytes, hydrophytes, and mesophytes [5]
12. Biodiversity: Types, threats and management with special reference to India [4]

GEO-G-CC-2-02-P – Environmental 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. Interpretation of daily weather map of India (any one): Pre-Monsoon or Monsoon or Post-Monsoon [20] (Prof. S.B.)
2. Construction and interpretation of hythergraph, climograph (G. Taylor) and wind rose (seasonal) [20] (Prof. M.S.)
3. Determination of soil type by ternary diagram textural plotting [10] (Prof. M.S.)
4. Preparation of peoples' biodiversity register [10] (Prof. S.B.)
5. Viva-voce based on laboratory notebook (5 Marks)

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SYLLABUS DISTRIBUTION 2020 - 2021

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

GEO-G-CC-4-04-TH – Cartography

Unit I: Scale and Projections (Prof. S.G.S.)

1. Maps: Classification and types. Scales: Types, significance, and applications [3]
2. Coordinate systems: Polar and rectangular. Bearing: Magnetic and true, whole-circle and reduced [3]
3. Map projections: Classification, properties and uses. Concept and significance of UTM projection [8]

Unit II: Topographic and Thematic Maps

4. Survey of India topographical maps: Reference scheme of old and open series. (Prof. S.G.S.)

Information on the margin of maps [4] (Prof. S.G.S.)

5. Representation of data by dots and proportional circles [4] (Prof. S.G.S.)
6. Representation of data by isopleth and choropleth [4] (Prof. S.G.S.)
7. Principal national agencies producing thematic maps in India: GSI, NATMO, NBSSLUP, NHO, and NRSC. Acquaintance with Bhuvan platform [5] (Prof. S.B.)

Unit III: Remote Sensing and Geographical Information System (Prof. S.B.)

8. Basics of Remote Sensing: Types of satellites, sensors, bands, and resolutions with special reference to the ISRO missions [10]
9. Principles of preparing standard FCCs and classified raster images [5]
10. Principles of Geographical Information System: Concepts of vector types, attribute tables, buffers, and overlay analysis [6]

Unit IV: Surveying (Prof. S.B.)

11. Basic concepts of surveying and survey equipment: Prismatic compass [6]
12. Basic concepts of surveying and survey equipment: Dumpy level [6]

GEO-G-CC-4-04-P – Cartography

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. Graphical construction of scales: Plain and comparative [10] **(Prof. S.G.S.)**
2. Construction of projections: Simple Conic with one standard parallel, Cylindrical Equal Area,, and Polar Zenithal Stereographic [20] **(Prof. S.G.S.)**
3. Construction of thematic maps: Proportional squares, proportional circles, choropleths, and isopleths [20] **(Prof. S.B.)**
4. Preparation of annotated thematic overlays from satellite standard FCCs of 1:50k [10] **(Prof. S.B.)**
5. Viva-voce based on laboratory notebook (5 Marks)

GEO-G-SEC-B-4/6-03-TH – Rural Development - 90 Marks (Prof. M.S.)

1. Rural Development: Concept, basic elements, measuring the level of rural development [5]
2. Paradigms of rural development: Cumulative causation model, core-periphery model, Gandhian approach to rural development [10]
3. Area based approach to rural development: Drought prone area programmes, PMGSY, SJSY, MGNREGA, Jan Dhan Yojana [10]
4. Rural Governance: Panchayati Raj system, rural development policies and programmes in India – an overview [5]

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SYLLABUS DISTRIBUTION 2020 - 2021

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

GEO-G-DSE-B-6-04-TH – Population Geography

Unit I: Population Dynamics (Prof. M.S.)

1. Development of Population Geography as a field of specialization. Relation between population geography and demography. Sources of population data, their level of reliability and problems of mapping [6]
2. Population distribution: Density and growth. Classical and modern theories on population growth, Demographic transition model [6]
3. World patterns and determinants of population distribution and growth. Concept of optimum population [4]
4. Population distribution, density, and growth in India [4]

Unit II: Population and Development

5. Types of population composition: Age–sex, rural–urban, literacy and education [5] **(Prof. M.S.)**
6. Measurements of fertility and mortality. Concept of cohort and life table [5] **(Prof. M.S.)**
7. Population composition of India: Urbanisation and occupational structure [7] **(Prof. S.G.S.)**
8. Migration: Causes and types [3] **(Prof. S.G.S.)**
9. National and international patterns of migration with reference to India [5] **(Prof. S.G.S.)**
10. Population and development: Population–resource regions (Sekerman). Concept of human Development Index and its components [5] **(Prof. S.G.S.)**
11. Population policies in developed and less development countries. India's population policies. Population and environment, implication for the future [5] **(Prof. S.G.S.)**
12. Contemporary issues: Ageing of population, declining sex ratio, population and environment dichotomy, impact of HIV/AIDS [5] **(Prof. S.G.S.)**

GEO-G-DSE-B-6-04-P – Population 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. Population projection by arithmetic method [15] (**Prof. G.K.N.**)
2. Population density mapping: State-wise for India [15] (**Prof. M.S.)**
3. Analysis of work participation rate: Total and gender-wise for India [15] (**Prof. G.K.N.**)
4. Analysis occupation structure by dominant and distinctive functions: Districts of West Bengal [15] (**Prof. M.S.)**
5. Viva-voce based on laboratory notebook (5 Marks)

GEO-G-SEC-B-4/6-03-TH – Rural Development - 90 Marks (Prof. S.G.S.)

1. Rural Development: Concept, basic elements, measuring the level of rural development [5]
2. Paradigms of rural development: Cumulative causation model, core-periphery model, Gandhian approach to rural development [10]
3. Area based approach to rural development: Drought prone area programmes, PMGSY, SJSY, MGNREGA, Jan Dhan Yojana [10]
4. Rural Governance: Panchayati Raj system, rural development policies and programmes in India – an overview [5]
