

**Geography Honours (CBCS)**  
**Syllabus Utilisation for the Academic Session 2019-2020**

Type	Paper	Unit	Topic	Teacher	Expected numbers of lectures	
<b>SEMESTER-I (2019-2020)</b>						
Discipline Core (DC) -1	<b>DC1A Geotectonics and Geomorphology (Theory (Theory))</b>	<b>Part 1: Geotectonics</b>				
		1	Earth's tectonic and structural evolution and geological time scale	SP	4	
		2	Earth's interior with special reference to seismology; Isostasy: theory of Airy and Pratt	ST	3	
		3	Mechanism of plate tectonics and resultant landforms, origin and types of Folds and Faults and consequent landforms	PG	3	
		<b>Part 2: Geomorphology</b>				
		1	Fundamental concepts in Geomorphology	JM	4	
			Denudation processes (weathering, mass movement and erosion) and resultant landforms	PG	4	
			Models on landscape evolution: Views of Davis, Penck, King and Hack	ST	4	
		2	Development of river network and landforms on uniclinal and folded structures; slope development and evolution of slope (Davis and King)	SP	4	
		3	Surface and subsurface flow in Karst region, fluvial processes and landforms,	SG	2	
			glacial and fluvio-glacial processes and landforms, aeolian and fluvial-aeolian processes and landforms	DM	2	
		<b>DC1B: (List of Practical)</b>	1	Relief profile analysis (representative profile, serial, composite, superimposed, projected, long and cross profile)	ST	5
			2	Geological maps: Horizontal, Uniclinal and Folded structures	PG	3
			3	Identification of rocks and minerals (megascopic) (Basalt, granite, gneiss, sandstone, quartzite, limestone, mica, talc, calcite and feldspar)	SP	3
		Discipline Core (DC) -2	<b>DC2A Cartographic Techniques (Theory)</b>	1	Concept and application of scale: Plain, comparative, diagonal and Positive Vernier	SP
2	Coordinate systems and Map: Grid, concept of geoid, spheroid, rectangular and geographical coordinate system, concept of map, classification of map, components of a map			ST	4	
3	Bearing: Magnetic and true, whole-circle and quadrantal			PG	2	
4	Map projections: Classification, properties and uses; Concept and significance of UTM projection.			AR	3	
5	Basic concepts of surveying and leveling : Prismatic compass, Dumpy level, theodolite, Abney level and Clinometer.			ST	4	
6	Survey of India topographical maps: Reference scheme of old and open series. Information on the margin of maps			DM	3	

	<b>DC2B: (List of Practical)</b>	1	Scale conversion: Statement, RF, Graphical (Linear, Diagonal, Positive vernier; enlargement and reduction of scale)	SP	6
		2	Construction of projections: Polar Zenithal Stereographic, Simple conical with standard parallels, Bonne's, Cylindrical Equal Area and Mercator's	JM	6
		3	Surveying: Prismatic compass (closed traverse), dumpy level (along a line), and theodolite (base accessible and inaccessible with same vertical plain)	ST	8

Type	Paper	Unit	Topic	Teacher	Expected numbers of lectures
<b>SEMESTER-II (2019-2020)</b>					
<b>Discipline Core (DC) -3</b>	<b>DC3A Population and Settlement Geography (Theory)</b>	1	Definition, scope and contents of Population Geography, . Source of population Data	AR	2
		2	Components of population change....Demo. Trns Theory	JM	2
		3	Population distribution and density....Population Policy	AR	2
		1	Definition, scope and contents of Settlement Geography	ST	2
		2	Nature and characteristics of rural settlements, Morpho....	ST	2
		3	Census definition (Temporal) and categories .....	ST	2
	<b>DC3B: (Practical)</b>	1	Population data analysis: Decadal growth, population density and Age-sex pyramid	AR	4
		2	Spatial Distribution and Interactions: Nearest-Neighbour Analysis (Clerk and Evans) and Rank-Size Rule (Zipf)	ST	4
<b>Discipline Core (DC) -4</b>	<b>DC4A Cartograms and Thematic Mapping (Theory)</b>	1	Concepts of rounding, scientific notation, logarithm and anti-logarithm, natural and log scales.	SP	4
		2	Concept, use, .....geographical data: Line, Bar, Dot and Sphere, Proportional circles, Isopleths and choropleth	SP	4
		3	Preparation and interpretation...: maps, climatological maps, Landuse/land cover maps and Thematic Maps	PG	4
		4	Application of GIS in thematic mapping, concept of Cadastral Map.	PG	4
	<b>DC4B: Practical</b>	1	Cartograms: Proportional squares, pie diagram, proportional divided circle, dots and spheres	SP	4

		2	Preparation of thematic maps: Choropleth, Isoline and Chorochromatic map	PG	4
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**Note:**

ST = Sayfujjaman Tarafder

SP = Satyajit Paul

DM = DM

AR = Avijit Roy

PG = Paban Ghosh

SG = Sanjay Ghosh

JM = Jayanta Mondal

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