

**DEPT. OF GEOGRAPHY, GOUR MAHAVIDYALAYA**  
**Syllabus Distribution of UG Geography Honours (CBCS)**

**SESSION: 2019-2020**

**ODD SEMESTER I (July, 2019 to Dec, 2019)**

**SEMESTER-I (HONS)**

SEMESTER-I						
Type	Paper	Unit	Topic	Teacher	Period	Exp No of Class
Discipline Core (DC) -1	DC 1A: Geotectonics and Geomorphology (Theory)	1	Earth's tectonic and structural evolution and geological time scale	ST	July	04
		2	Earth's interior with special reference to seismology; Isostasy: theory of Airy and Pratt	ST	August	04
		3	Mechanism of plate tectonics and resultant landforms, origin and types of Folds and Faults and consequent landforms	PD	July	05
		1	Fundamental concepts in Geomorphology; Denudation processes (weathering, Mass movement and erosion) and resultant landforms, Models on landscape evolution: Views of Davis, Penck, King and Hack	PG DM PG	July - august	15
		2	Development of river network and landforms on uniclinal and folded structures; Slope development and evolution of slope (Davis and King)	SG PD	July August	02 04
		3	Surface and subsurface flow in Karst region, fluvial processes and landforms, glacial and fluvio-glacial processes and landforms, aeolian and fluvial-aeolian processes and landforms	SP	July - Aug	15
	DC 1B: (Practical)	1	Relief profile analysis (representative profile, serial, composite, superimposed, projected, long and cross profile)	PG	July - august	10
		2	Geological maps: Horizontal, Uniclinal and Folded structures	ST	Aug - Sept	10
		3	Identification of rocks and minerals (megascopic) (Basalt, granite, gneiss, sandstone, quartzite, limestone, mica, talc, calcite and feldspar)	DM	Aug-Sept	06
	Discipline Core (DC) -2	DC 2A Cartographic Techniques (Theory)	1	Concept and application of scale: Plain, comparative, diagonal and Positive Vernier	SP	Aug - Sept
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	August	04
3			Bearing: Magnetic and true, whole-circle and quadrantal	PD	Aug	06
4			Map projections: Classification, properties and uses; Concept and significance of UTM Projection.	PG & SG	Aug- Sep	04

		5	Basic concepts of surveying and levelling: Prismatic compass, Dumpy level, theodolite, Abney level and Clinometer.	ST PD SP	August October	04 04
		6	Survey of India topographical maps: Reference scheme of old and open series. Information on the margin of maps	DM	Aug-Oct	04
	<b>DC 2B: Practical</b>	1	Scale conversion: Statement, RF, Graphical (Linear, Diagonal, Positive vernier; enlargement and reduction of scale)	SP	Sept - Nov	24
		2	Construction of projections: Polar Zenithal Stereographic, Simple conical with standard parallels, Bonne's, Cylindrical Equal Area and Mercator's	PG & SG	aug-sep	12
		3	Surveying: Prismatic compass (closed traverse), dumpy level (along a line), and theodolite (base accessible and inaccessible with same vertical plain	ST, PD & SP	Aug - Sept	04 02

**Note:** ST= Syfujjaman Tarafder, SP= Satyajit Paul, PD= Prabir Das, SG= Sanjay Ghosh, DM= Dipankar Majumder, PG= Paban Ghosh.



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Mangaibari, Malda.

**ODD SEMESTER I (Jan, 2020 to June, 2020)  
SEMESTER-II (HONS)**

Type	Paper	Unit	Topic	Teacher	Period	Exp No of Class
Discipline Core (DC) -3	DC3A Pop and Settlement Geography (Theory)	1	Definition, scope and contents of Population Geography, Source of population Data	SG	Jan-Feb	04
		2	Components of population change. Demographic Transition Theory	PD	Jan-Feb	10
		3	Population distribution and density of Population Policy	PD	Feb-Mar	06
		1	Definition, scope and contents of Settlement Geography	ST	Jan	02
		2	Nature and characteristics of rural settlements, Morphometry	ST	Jan-Feb	02
		3	Census definition (Temporal) and categories .....	SG	Feb	04
	DC3B : (Practical)	1	Population data analysis: Decadal growth, population density and Age-sex pyramid	PD	Feb-Mar	08
		2	Spatial Distribution and Interactions: Nearest-Neighbour Analysis (Clerk and Evans) and Rank-Size Rule (Zipf)	ST	April	04
Discipline Core (DC) -4	DC4A Cartograms and Thematic Mapping (Theory)	1	Concepts of rounding, scientific notation, logarithm and antilogarithm, natural and log scales.	ST	Jan	05
		2	Concept, use, geographical data: Line, Bar, Dot and Sphere, Proportional circles, Isopleths and choropleth	PG	Jan	5
		3	Preparation and interpretation. maps, climatological maps, Land Use/land cover maps and Thematic Maps	SP	Jan	06
		4	Application of GIS in thematic mapping, concept of Cadastral Map.	SP	Jan-Feb	06
	DC4B : Practical	1	Cartograms: Proportional squares, pie diagram, proportional divided circle, dots and spheres	PG	Jan-feb	08
		2	Preparation of thematic maps: Choropleth, Isoline and Chorochromatic map	SP	Feb-Mar	08

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