

Curriculum Plan

of

Mr. Nabanu Roy

Session: 2023-2024

Department of Geography

July to December (Odd Semesters)

Month	Semesters	Title of the Topics	Sub Topics	No. of Classes	Remarks	
AUGUST	1ST SEMESTER	1 st Sem -MAJOR (Theory)	Geological time scale, Internal structure of the earth and Rocks	Geological time scale; Internal structure of the earth; Classification of rocks: Igneous, Sedimentary and Metamorphic	5	4 class lectures and 1 map observation class
		1 st Sem -MAJOR (Practical)	Scale	Definition and types; Construction of linear scale	2	2 class lectures
		1 st Sem -SEC (Theory)	Hazards and Disasters; Vulnerability and Risk	Definition and concept of hazards and disasters; definition of vulnerability and risk, classification of hazards and disasters	4	4 class lectures
		1 st Sem -SEC (Practical)	Project Report	Project Report	2	2 class lectures
	3RD SEMESTER	3 rd Sem - DSC (Theory)	Regional planning	Definition, types of regional planning	4	4 class lectures
		3 rd Sem - DSC (Practical)	Topographical maps	Plains/Plateaus; scale 1:50000 (Broad physiographic divisions and Drainage	2	2 class lectures with final sheets signature
		3 rd Sem - SEC	Remote Sensing	Definition and Development of Remote Sensing, Platforms of Remote Sensing	3	3 class lectures
		3 rd Sem-GE (Theory)	Geography as a discipline	Meaning, scope and content, branches of geography	4	4 class lectures
		3 rd Sem -GE (Practical)	Scale	Definition, classification, construction of simple linear scale	2	2 class lectures with final sheets signature
	5TH SEMESTER	5 th Sem - DSE (Theory)	Disasters	Definition and concepts: hazards, disasters; risk and vulnerability; classification	4	3 class lectures & 1 doubt clearing class
		5 th Sem - DSE (Practical)	Field Based Project Report	Planning for Field Trip	2	2 class lectures
		5 th Sem - SEC	Remote Sensing	Definition and Development of Remote Sensing, Platforms of Remote Sensing	3	3 class lectures

SEPTEMBER	1ST SEMESTER	1 st Sem -MAJOR (Theory)	Theory of Isostasy and Earth movements	Theory of isostasy: Views of Airy and Pratt. Earth movements, processes and topographic effects of folding and faulting	8	7 class lectures & 1 lecture with PPT	
		1 st Sem -MAJOR (Practical)	Scale & Data presentation	Construction of Comparative scale. & Line Graph	4	3 class lectures & 1 class for final sheets signature	
		1 st Sem -SEC (Theory)	Classification and Impact of disasters	Economic, social and environmental impacts of disasters; natural and human induced disasters like flood, drought and landslide.	4	4 class lectures	
		1 st Sem -SEC (Practical)	Project Report	Project Report	2	2 class lectures	
	3RD SEMESTER	3 rd Sem - DSC (Theory)	Regional planning	Formal, Functional, and Planning regions	7	7 class lectures	
		3 rd Sem - DSC (Practical)	Topographical maps	Natural vegetation and Settlement	4	3 class lectures & 1 final sheets signature	
		3 rd Sem - SEC	Remote Sensing	Types of Remote Sensing and Photogrammetry	7	7 class lectures	
		3 rd Sem-GE (Theory)	Geotectonic	Origin and evolution of the earth, Interior structure of the earth; Wegener's Continental Drift theory and Plate Tectonic theory	5	5 class lectures	
		3 rd Sem -GE (Practical)	Map Projection	Definition, classification and graphical construction of Zenithal Gnomonic Projection (Polar Case)	4	3 class lectures & 1 final sheets signature	
	5TH SEMESTER	5 th Sem - DSE (Theory)	Disasters in India	Flood and Landslide: Causes, Impact, Distribution and Mapping	8	7 class lectures and 1 class for Q & A session	
		5 th Sem - DSE (Practical)	Field Based Project Report	Project related activities	4	2 class lectures & 2 hands on practice classes	
		5 th Sem - SEC	Remote Sensing	Types of Remote Sensing and Photogrammetry	7	7 class lectures	
	OCTOBER	1ST SEMESTER	1 st Sem -MAJOR (Theory)	Classification and Theories of Mountains building	Classification of mountains; Theories of mountain building: Geo-syncline theory of Kober, Thermal contraction theory of Jeffreys,	8	8 class lectures

				Thermal convection current theory of Holmes.		
		1 st Sem -MAJOR (Practical)	Diagrammatic data presentation	Bar (simple, compound and composite)	4	3 class lectures & 1 final sheets signature
		1 st Sem -SEC (Theory)	Classification and Impact of disasters	Earthquake, cyclone, industrial hazards and pandemics.	4	4 class lectures
		1 st Sem -SEC (Practical)	Project Report	Project Report	2	2 class lectures
	3RD SEMESTER	3 rd Sem - DSC (Theory)	Regional Imbalances and problems	Regional Imbalances and problems of functional regions	8	7 class lectures 1 session for Q&A
		3 rd Sem - DSC (Practical)	Topographical maps	Transport and communication, Transect chart	4	3 class lectures & 1 class final sheets signature
		3 rd Sem - SEC	Satellite Remote Sensing	Principles, EMR Interaction with atmosphere and earth surface	7	6 class lectures & 1 class for library work
		3 rd Sem-GE (Theory)	Rocks & Geomorphic processes	Major types of rocks and their characteristics & Weathering and mass wasting	4	4 class lectures
		3 rd Sem -GE (Practical)	Map Projection	Graphical construction of Cylindrical Equal Area Projection; Simple Conical Projection with one Standard Parallel	4	3 class lectures & 1 class for library work
	5TH SEMESTER	5 th Sem - DSE (Theory)	Disasters in India	Drought and Earthquake: Causes, Impact, Distribution and Mapping	8	6 class lectures, & 1 class for library work
		5 th Sem - DSE (Practical)	Field Based Project Report	Project related activities	4	4 class lectures
		5 th Sem - SEC	Satellite Remote Sensing	Principles, EMR Interaction with atmosphere and earth surface	8	7 class lectures, & 1 class for library work
NOVEMBER	1ST SEMESTER	1 st Sem -MAJOR (Theory)	Continental drift theory, Sea-floor spreading; Plate tectonics and plate boundaries; volcanicity	Continental drift theory of Alfred Wegener; Concept of sea-floor spreading; Plate tectonics, plate boundaries and subduction zones; Concept of volcanicity; Classification of volcanoes; Volcanic landforms; World distribution of volcanoes.	8	7 class lectures, & 1 doubt clearing class
				Circle (pie graph,		

DECEMBER		1 st Sem -MAJOR (Practical)	Diagrammatic data presentation:	proportional circle and proportional divided circle).	4	3 class lectures & 1 class final sheets signature
		1 st Sem -SEC (Theory)	Disaster management; strategies	Concept of disaster management; strategies of disaster management: identification and risk assessment, risk reduction and preparedness, disaster response and recovery.	8	7 class lectures & 1 doubt clearing class
		1 st Sem -SEC (Practical)	Project Report	Project Report	2	2 class lectures
	3RD SEMESTER	3 rd Sem - DSC (Theory)	Strategies for Regional planning	Models for Regional Planning: Growth Pole Model of Perroux	8	7 class lectures & 1 Q&A session
		3 rd Sem - DSC (Practical)	Geological maps	Uniclinal structure	4	4 class lectures
		3 rd Sem - SEC	Satellite Remote Sensing	Satellites (Landsat and IRS) and Sensors	7	7 class lectures
		3 rd Sem-GE (Theory)	Geomorphology	Erosional and depositional features of river, glacier and wind.	4	4 class lectures
		3 rd Sem -GE (Practical)	Map Projection	Revision (construction)	3	3 class lectures with signature
	5TH SEMESTER	5 th Sem - DSE (Theory)	Disasters in India	Tsunami and Cyclone: Causes, Impact, Distribution and Mapping	8	7 class lectures & 1doubt clearing session
		5 th Sem - DSE (Practical)	Field Based Project Report	Primary Data Collection	4	2 class lectures &2 librarywork
		5 th Sem - SEC	Satellite Remote Sensing	Satellites (Landsat and IRS) and Sensors	7	7 class lectures
	1ST SEMESTER	1 st Sem -MAJOR (Theory)	Remedial classes & Preparation of final exams	Remedial classes & Preparation of final exams	4	Remedial classes & Preparation of final exams
		1 st Sem -SEC (Practical)	Remedial classes & Preparation of final exams	Remedial classes & Preparation of final exams	2	Remedial classes & Preparation of final exams
1 st Sem -SEC (Theory)		Remedial classes & Preparation of final exams	Remedial classes & Preparation of final exams	2	Preparation for final Exams & Remedial Classes	
1 st Sem -SEC (Practical)		Remedial classes & Preparation of final exams	Remedial classes & Preparation of final exams	2	Remedial classes & Preparation of final exams	

3RD SEMESTER	3 rd Sem - DSC (Theory)	Problem Regions and Regional Planning	Backward Regions and Regional Plans & Special Area Development Plans in India	8	Preparation for final Examination & Doubt clearing Session
	3 rd Sem - DSC (Practical)	Topographical maps & Geological maps	Topographical maps & Geological maps	4	Doubt clearing Session & Signature final sheets
	3 rd Sem - SEC	Visual Satellite Image Interpretation & Application of Remote Sensing	Visual Satellite Image Interpretation & Application of Remote Sensing in Land use/Land cover mapping	4	4 class lectures, class test & Doubt clearing session
	3 rd Sem-GE (Theory)	Remedial classes & Preparation of final exams	Remedial classes & Preparation of final exams	3	Preparation for final Examination & Doubt clearing Session
	3 rd Sem -GE (Practical)	Remedial classes & Preparation of final exams	Remedial classes & Preparation of final exams	2	Class test & doubt clearing classes
5TH SEMESTER	5 th Sem - DSE (Theory)	Response and mitigation to disasters	Mitigation and preparedness, NDMA and NIDM; Indigenous Knowledge and Community-Based Disaster Management	4	4 class lectures, class test & Doubt clearing session
	5 th Sem - DSE (Practical)	Field Based Project Report	Activities after Primary Data Collection	2	Preparation for project report & signature the final project report
	5 th Sem - SEC	Visual Satellite Image Interpretation & Application of Remote Sensing	Visual Satellite Image Interpretation & Application of Remote Sensing in Land use/Land cover mapping	4	3 class lectures & 1 class test Preparation for final Exams & Doubt clearing session

Signature of the Teacher