Curriculum Plan

of

Mr. Nabanu Roy

Session: 2023-2024

Department of Geography

July to December (Odd Semesters)

Month		Semesters	Title of the	Sub Topics	No. of	Remarks
			Topics		Classes	
			Geological time	Geological time scale;		4 class lectures
	SEMESTER	1 st Sem -MAJOR	scale, Internal	Internal structure of the		and 1 map
		(Theory)	structure of the	earth; Classification of	5	observation
		, , ,	earth and Rocks	rocks: Igneous, Sedimentary		class
				and Metamorphic		
		1 st Sem -MAJOR	Scale	Definition and types;	2	2 class lectures
		(Practical)		Construction of linear scale		
		1 st Sem -SEC	Hazards and	Definition and concept of		
	S	(Theory)	Disasters;	hazards and disasters;		
	$1^{ m ST}$		Vulnerability	definition of vulnerability	4	4 class lectures
			and Risk	and risk, classification of		
				hazards and disasters		
		1 st Sem -SEC	Project Report	Project Report	2	2 class lectures
		(Practical)	J 1	J 1		
		3 rd Sem - DSC	Regional	Definition, types of regional	4	4 class lectures
	3 RD SEMESTER	(Theory)	planning	planning		
		•	1 0	Plains/Plateaus; scale		2 class lectures
		3 rd Sem - DSC	Topographical	1:50000 (Broad	2	with final
\mathbf{S}		(Practical)	maps	physiographic divisions and		sheets signature
AUGUST		(======================================	· F -	Drainage		
AL				Definition and Development		
	AE.	3 rd Sem - SEC	Remote Sensing	of Remote Sensing,	3	3 class lectures
	SEN		C	Platforms of Remote		
	RD (Sensing		
		3 rd Sem-GE	Geography as a	Meaning, scope and content,	4	4 class lectures
		(Theory)	discipline	branches of geography		
		3 rd Sem -GE		Definition, classification,		2 class lectures
		(Practical)	Scale	construction of simple linear	2	with final
				scale		sheets signature
	SEMESTER			Definition and concepts:		3 class lectures
		5 th Sem - DSE	Disasters	hazards, disasters; risk and	4	&1doubt
		(Theory)		vulnerability;		clearing class
				classification		
		5 th Sem - DSE	Field Based	Planning for Field Trip	2	2 class lectures
		(Practical)	Project Report			
	2 _{TH} (3	, , ,		Definition and Development of		
	N.	5 th Sem - SEC	Remote Sensing	Remote Sensing, Platforms of	3	3 class lectures
				Remote Sensing		
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			T1	The same of its and a same Williams		
			Theory of	Theory of isostasy: Views		
			Isostasy and	of Airy and Pratt.		7 class lectures
		1 st Sem -MAJOR	Earth	Earth movements, processes	8	& 1 lecture
		(Theory)	movements	and topographic effects of		with PPT
	~			folding and faulting		
			Scale	Construction of		3 class lectures
	国	1 st Sem -MAJOR	&	Comparative scale.	4	& 1 class for
	1 ST SEMESTER	(Practical)	Data	&	-	final sheets
		(Tructicul)	presentation	Line Graph		signature
			presentation	Economic, social and		Signature
		1 st Sem -SEC	Classification	·		
	_			environmental impacts of	4	4 1 1 4
		(Theory)	and Impact of	disasters; natural and human	4	4 class lectures
			disasters	induced disasters like flood,		
		-4		drought and landslide.		
		1 st Sem -SEC	Project Report	Project Report	2	2 class lectures
		(Practical)				
		3 rd Sem - DSC	Regional	Formal, Functional, and	7	7 class lectures
		(Theory)	planning	Planning regions		
		3 rd Sem - DSC	Topographical	Natural vegetation and		3 class lectures
ER		(Practical)	maps	Settlement	4	& 1 final sheets
B	5 TH SEMESTER 3 RD SEMESTER		1			signature
SEPTEMBER		3 rd Sem - SEC	Remote Sensing	Types of Remote Sensing	7	7 class lectures
I		J Sem SEC	Tremete Sensing	and Photogrammetry	,	, class locales
SE				Origin and evolution of the		
				earth, Interior structure of		
		3 rd Sem-GE	Geotectonic	· · · · · · · · · · · · · · · · · · ·	5	<i>5</i> -11
			Geotectonic	the earth;	5	5 class lectures
		(Theory)		Wegener's Continental Drift		
				theory and Plate Tectonic		
				theory		
		1		Definition, classification		
		3 rd Sem -GE		and graphical construction		3 class lectures
		(Practical)	Map Projection	of Zenithal	4	& 1 final sheets
				Gnomonic Projection (Polar		signature
				Case)		
		5 th Sem - DSE	Disasters in	Flood and Landslide:		7 class lectures
		(Theory)	India	Causes, Impact, Distribution	8	and 1 class for
				and Mapping		Q &A session
		5 th Sem - DSE	Field Based	Project related activities		2 class lectures
		(Practical)	Project Report		4	& 2 hands on
		(======================================				practice classes
		5 th Sem - SEC	Remote Sensing	Types of Remote Sensing	7	7 class lectures
		3 Sem - Sile	Remote Bensing	and Photogrammetry	,	/ class lectures
				Classification of mountains;		
~	STER		Classification	· ·		
EF		1st a record	and Theories of	Theories of mountain		
JB]	-		4114 1 11001100 UI	building:		1
OE	IESJ	1 st Sem -MAJOR	Mountains		6	
CTOE	EMEST	(Theory)	Mountains building	Geo-syncline theory of	8	8 class lectures
OCTOBER	1 ST SEMESTER		Mountains building		8	8 class lectures

SEMESTER	st Sem -MAJOR (Practical) 1st Sem -SEC (Theory) 1st Sem -SEC (Practical) 3rd Sem - DSC (Theory) 3rd Sem - DSC (Practical) 3rd Sem - SEC	Diagrammatic data presentation Classification and Impact of disasters Project Report Regional Imbalances and problems Topographical maps Satellite Remote Sensing	Thermal convection current theory of Holmes. Bar (simple, compoundandcomposite) Earthquake, cyclone, industrial hazards and pandemics. Project Report Regional Imbalances and problems of functional regions Transport and communication, Transect chart Principles, EMR Interaction with atmosphere and earth	4 2 8 4	3 class lectures & 1 final sheets signature 4 class lectures 2 class lectures 7 class lectures 1 session for Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	(Practical) 1st Sem -SEC (Theory) 1st Sem -SEC (Practical) 3rd Sem - DSC (Theory) 3rd Sem - DSC (Practical) 3rd Sem - DSC (Practical)	data presentation Classification and Impact of disasters Project Report Regional Imbalances and problems Topographical maps Satellite Remote	Bar (simple, compoundandcomposite) Earthquake, cyclone, industrial hazards and pandemics. Project Report Regional Imbalances and problems of functional regions Transport and communication, Transect chart Principles, EMR Interaction	4 2 8	& 1 final sheets signature 4 class lectures 2 class lectures 7 class lectures 1 session for Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	(Practical) 1st Sem -SEC (Theory) 1st Sem -SEC (Practical) 3rd Sem - DSC (Theory) 3rd Sem - DSC (Practical) 3rd Sem - DSC (Practical)	data presentation Classification and Impact of disasters Project Report Regional Imbalances and problems Topographical maps Satellite Remote	Earthquake, cyclone, industrial hazards and pandemics. Project Report Regional Imbalances and problems of functional regions Transport and communication, Transect chart Principles, EMR Interaction	4 2 8	& 1 final sheets signature 4 class lectures 2 class lectures 7 class lectures 1 session for Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	1 st Sem -SEC (Theory) 1 st Sem -SEC (Practical) 3 rd Sem - DSC (Theory) 3 rd Sem - DSC (Practical)	Classification and Impact of disasters Project Report Regional Imbalances and problems Topographical maps Satellite Remote	Earthquake, cyclone, industrial hazards and pandemics. Project Report Regional Imbalances and problems of functional regions Transport and communication, Transect chart Principles, EMR Interaction	4 2 8	signature 4 class lectures 2 class lectures 7 class lectures 1 session for Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	(Theory) 1st Sem -SEC (Practical) 3rd Sem - DSC (Theory) 3rd Sem - DSC (Practical) 3rd Sem - SEC	Classification and Impact of disasters Project Report Regional Imbalances and problems Topographical maps Satellite Remote	industrial hazards and pandemics. Project Report Regional Imbalances and problems of functional regions Transport and communication, Transect chart Principles, EMR Interaction	8 4	4 class lectures 2 class lectures 7 class lectures 1 session for Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	(Theory) 1st Sem -SEC (Practical) 3rd Sem - DSC (Theory) 3rd Sem - DSC (Practical) 3rd Sem - SEC	and Impact of disasters Project Report Regional Imbalances and problems Topographical maps Satellite Remote	industrial hazards and pandemics. Project Report Regional Imbalances and problems of functional regions Transport and communication, Transect chart Principles, EMR Interaction	8 4	2 class lectures 7 class lectures 1 session for Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	1 st Sem -SEC (Practical) 3 rd Sem - DSC (Theory) 3 rd Sem - DSC (Practical) 3 rd Sem - SEC	disasters Project Report Regional Imbalances and problems Topographical maps Satellite Remote	pandemics. Project Report Regional Imbalances and problems of functional regions Transport and communication, Transect chart Principles, EMR Interaction	8 4	2 class lectures 7 class lectures 1 session for Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	(Practical) 3 rd Sem - DSC (Theory) 3 rd Sem - DSC (Practical) 3 rd Sem - SEC	Project Report Regional Imbalances and problems Topographical maps Satellite Remote	Project Report Regional Imbalances and problems of functional regions Transport and communication, Transect chart Principles, EMR Interaction	8	7 class lectures 1 session for Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	(Practical) 3 rd Sem - DSC (Theory) 3 rd Sem - DSC (Practical) 3 rd Sem - SEC	Regional Imbalances and problems Topographical maps Satellite Remote	Regional Imbalances and problems of functional regions Transport and communication, Transect chart Principles, EMR Interaction	8	7 class lectures 1 session for Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	3 rd Sem - DSC (Theory) 3 rd Sem - DSC (Practical) 3 rd Sem - SEC	Imbalances and problems Topographical maps Satellite Remote	and problems of functional regions Transport and communication, Transect chart Principles, EMR Interaction	4	1 session for Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	(Theory) 3 rd Sem - DSC (Practical) 3 rd Sem - SEC	Imbalances and problems Topographical maps Satellite Remote	and problems of functional regions Transport and communication, Transect chart Principles, EMR Interaction	4	1 session for Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	(Theory) 3 rd Sem - DSC (Practical) 3 rd Sem - SEC	problems Topographical maps Satellite Remote	regions Transport and communication, Transect chart Principles, EMR Interaction	4	Q&A 3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	3 rd Sem - DSC (Practical) 3 rd Sem - SEC	Topographical maps Satellite Remote	Transport and communication, Transect chart Principles, EMR Interaction		3 class lectures & 1 class final sheets signature 6 class lectures
SEMESTER	(Practical) 3 rd Sem - SEC	maps Satellite Remote	communication, Transect chart Principles, EMR Interaction		& 1 class final sheets signature 6 class lectures
SEMESTER	3 rd Sem - SEC	Satellite Remote	chart Principles, EMR Interaction		sheets signature 6 class lectures
SEMESTER			Principles, EMR Interaction	7	6 class lectures
SEMESTER			I I	7	
SEMESTI			with atmosphere and earth	7	
SEMES	3 rd Sem-GF	Sensing		•	& 1 class for
SEN	3 rd Sem_GF		surface		library work
	3 rd Sem_GF	Rocks &	Major types of rocks and		
1 18 1	5 Schi-GE	Geomorphic	their characteristics &	4	4 class lectures
3 RD g	(Theory)	processes	Weathering and mass		
			wasting		
			Graphical construction of		
	3 rd Sem -GE		Cylindrical Equal Area		3 class lectures
	(Practical)	Map Projection	Projection; Simple	4	& 1 class for
			Conical Projection with one		library work
			Standard Parallel		
	5 th Sem - DSE	Disasters in	Drought and		6 class lectures,
	(Theory)	India	Earthquake: Causes, Impact,	8	& 1 class for
			Distribution and Mapping		library work
ES	5 th Sem - DSE	Field Based	Project related	4	4 class lectures
E	(Practical)	Project Report	activities		
5 TH SEMESTER	5 th Sem - SEC	Satellite Remote	Principles, EMR Interaction		7 class lectures,
ST		Sensing	with atmosphere and earth	8	& 1 class for
			surface		library work
			Continental drift theory of		
		Continental drift	Alfred Wegener; Concept of		
		theory, Sea-	sea-floor		
		floor	spreading; Plate tectonics,		7 class lectures,
	st Sem -MAJOR	spreading; Plate	plate boundaries and	8	& 1 doubt
MB ES	(Theory)	tectonics and	subduction zones;		clearing class
		plate	Concept of volcanicity;		
		boundaries;	Classification of volcanoes;		
		volcanicity	Volcanic landforms;		
			World distribution of		
			volcanoes.		
			Circle (pie graph,		
NOVEMBER 1ST SEMESTER		tectonics and plate boundaries;	subduction zones; Concept of volcanicity; Classification of volcanoes; Volcanic landforms;	8	

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

	3 rd Sem - DSC	Problem	Backward Regions and		Preparation for
	(Theory)	Regions and	Regional Plans &		final
		Regional	Special Area Development	8	Examination &
		Planning	Plans in India		Doubt clearing
					Session
	3 rd Sem - DSC	Topographical	Topographical maps &		Doubt clearing
	(Practical)	maps &	Geological maps	4	Session &
		Geological			Signature final
		maps			sheets
		Visual Satellite	Visual Satellite Image		4 class lectures,
$\mathbb{S}_{\mathbb{I}}$		Image	Interpretation &		class test
N N	3 rd Sem - SEC	Interpretation &	Application of Remote	4	& Doubt
SE		Application of	Sensing in Land use/Land		clearing
3 RD SEMESTER		Remote Sensing	cover mapping		session
	3 rd Sem-GE	Remedial	Remedial classes &		Preparation for
	(Theory)	classes &	Preparation of final exams	3	final
	•	Preparation of			Examination &
		final exams			Doubt clearing
					Session
	3 rd Sem -GE	Remedial	Remedial classes &		Class test &
	(Practical)	classes &	Preparation of final exams	2	doubt clearing
		Preparation of			classes
		final exams	Mitigation and		4 -1 1
		D	Mitigation and		4 class lectures,
	5 th Sem - DSE	Response and	preparedness, NDMA	4	class test
	_	mitigation to	and NIDM; Indigenous	4	& Doubt
	(Theory)	disasters	Knowledge and		clearing
			Community-Based Disaster		session
		F:-14 D4	Management		D
ER	5th c DCE	Field Based	Activities after Primary		Preparation for
ST	5 th Sem - DSE	Project Report	Data Collection	_	project report &
ME	(Practical)	F' 11D 1	Activities after Primary	2	signature the
SE		Field Based	Data Collection		final project
5 TH SEMESTE		Project Report	77 10 H		report
S.		Visual Satellite	Visual Satellite Image		3 class lectures
		Image	Interpretation &		& 1 class test
	sth a gra	Interpretation	Application of Remote	4	Preparation for
	5 th Sem - SEC	&	Sensing in Land use/Land	4	final Exams
		Application of	cover mapping		& Doubt
		Remote Sensing			clearing
					session