LESSON PLAN
SUBJECT: GROGRAPHY (CBCS General)
SEMESTER-1, PAPER: CC-1A (GEOMORPHOLOGY AND CARTOGRAPHY) (Theory)
TOTAL NUMBER OF LECTURES AS ALLOTED IN THE SYLLABUS:
EACH LECTURE DURATION: 1 HOUR

SEC	LECTURE	TOPIC	TEACHER ASSIGNED
1		**UNIT I:GEOTECTONICS AND GEOMORPHOLOGY (THEORY)**	
	L-1	Introduction to **Geomorphology and Cartography**, Discussion about Syllabus, Syllabus module, Book-list.	S.Medda
	L-2	Definition, causes and classification of Weathering	
	L-3	Definition, causes and classification of Mechanical Weathering	
	L-4	Definition, causes and classification of chemical Weathering	
	L-5	Definition, causes and classification of organic Weathering	
	L-6	Landforms of Weathering	
	L-7	Discussion of question and Answer	
	L-8	Class Test Examination	
2		**2. Section title if any , you can write it here**	
	L-9	Concepts of Lithosphere and Internal Structure	M.Medda
	L-10	Internal Structure of Earth based on Seismic Evidence	
	L-11	Discussion of question and Answer	
	L-12	Class Test Examination	
3	L-13	Definition and Introduction of Plate Tectonics	M.Medda
	L-14	Processes at constructive, conservative, destructive boundaries	
	L-15	Processes at constructive, conservative, destructive boundaries	
	L-16	Landforms of constructive, conservative, destructive boundaries	
	L-17	Discussion of question and Answer	
	L-18	Class Test Examination	
4	L-19	Definition and Introduction of Aeolian and Aeolian processes	S.Medda
	L-20	Errositional landforms of Aeolian and Aeolian	
	L-21	Depositional landforms of Aeolian and Aeolian	
	L-22	Discussion of question and Answer	
	L-23	Class Test Examination	
5	L-24	Definition and Introduction of Glacial and glacial processes	S.Medda
	L-25	Errositional landforms of Glacial and glacial	
	L-26	Depositional landforms of Glacial and glacial	
	L-27	Discussion of question and Answer	

	L-28	Class Test Examination	
6	L-29	Definition and Introduction of Fluvial and processes.	S.Medda
	L-30	Errositional landforms of Fluvial	
	L-31	Depositional landforms of Fluvial	
	L-32	Discussion of question and Answer	
	L-33	Class Test Examination	
7	L-34	Models of landscape evolution: Views of Davis	M.Medda
	L-35	Models of landscape evolution: Views of Penck	
	L-36	Discussion of question and Answer	
	L-37	Class Test Examination	
8	L-38	Definition, and causes of Hydrological Cycle	M.Medda
	L-39	Explanation of Hydrological Cycle	
	L-40	Definition, and causes of Ground water	
	L-41	Discussion of question and Answer	
	L-42	Class Test Examination	

LESSON PLAN
SUBJECT: GROGRAPHY (CBCS General)
SEMESTER-1, PAPER: CC-1A (GEOMORPHOLOGY AND CARTOGRAPHY) (Practical)
TOTAL NUMBER OF LECTURES AS ALLOTED IN THE SYLLABUS:
EACH LECTURE DURATION: 2 HOURS

LECTURE		TOPIC	Teacher Assigned
SEC.		**UNIT II: SCALE AND CARTOGRAPHY (PRACTICAL)**	
1	L-1	Introduction to **SCALE AND CARTOGRAPHY**, Discussion about Syllabus, Syllabus module, Book-list.	M.Medda
	L-2	Introduction and Calculation of Representative Fraction	
	L-3	Introduction and Construction of Linear Scale (C.G.S. System)	
	L-4	Introduction and Construction of Linear Scale (F.P.S. System)	
	L-5	Introduction and Construction of Comparative Linear Scale (UNIT)	
	L-6	Introduction and Construction of Comparative Linear Scale (TIME)	
	L-7	Introduction and Construction of Comparative Linear Scale (PACE)	
	L-8	Introduction and Construction of Comparative Linear Scale (REVOLUTION)	
	L-9	Discussion of question and Answer	
	L-10	Class Test Examination	
2	L-11	Definition and Introduction Proportional Circles Diagrams	M.Medda
	L-12	Calculation of Proportional Circles Diagrams	
	L-13	Drawing of Proportional Circles Diagrams	
	L-14	Interpretation of Proportional Circles Diagrams	
	L-15	Definition and Introduction Proportional Squares Diagrams	
	L-16	Calculation of Proportional Squares Diagrams	
	L-17	Drawing of Proportional Squares Diagrams	
	L-18	Interpretation of Proportional Squares Diagrams	
	L-19	Discussion of question and Answer	
	L-20	Class Test Examination	
	L-21	Definition, Introduction and characteristics Composite bar diagram	S.Medda
	L-22	Calculation and drawing of Composite bar diagram	
	L-23	Interpretation of Composite bar diagram	

3			
	L-24	Definition, Introduction and characteristics of Age-Sex Pyramid	
	L-25	Calculation and drawing of Age-Sex Pyramid	
	L-26	Interpretation of Age-Sex Pyramid	
	L-27	Discussion of question and Answer	
	L-28	Class Test Examination	
4	L-29	Definition, Introduction and characteristics of Taylor's Climograph	S.Medda
	L-30	Calculation and drawing of Taylor's Climograph	
	L-31	Interpretation of Taylor's Climograph	
	L-32	Definition, Introduction and characteristics of Taylor's Hythergraph	
	L-33	Calculation and drawing of Taylor's Hythergraph	
	L-34	Interpretation of Taylor's Hythergraph	
	L-35	Discussion of question and Answer	
	L-36	Class Test Examination	

LESSON PLAN
SUBJECT: GROGRAPHY (CBCS General)
SEMESTER-2, PAPERCC- 1B (PHYSICAL ENVIRONMENT AND SURVEYING) (Theo)
TOTAL NUMBER OF LECTURES AS ALLOTED IN THE SYLLABUS:
EACH LECTURE DURATION: 1 HOUR

LECTURE		TOPIC	Teacher Assigned
SEC.	**UNIT I: CLIMATOLOGY, SOIL AND BIOGEOGRAPHY (THEORY)**		
1		Introduction to **CLIMATOLOGY, SOIL AND BIOGEOGRAPHY**,	S.Medda
	L-1	Discussion about Syllabus, Syllabus module, Book-list.	
	L-2	Definition and characteristics of Climatology	
	L-3	Nature of the atmosphere	
	L-4	Composition and layering of the atmosphere	
	L-5	Elements of weather and climate	
	L-6	Thermal and chemical composition of the atmosphere.	
	L-7	Composition and layering of the atmosphere	
	L-8	Discussion of question and Answer	
	L-9	Class Test Examination	
2	**L-10**	Horizontal distribution of temperature	S.Medda
	L-11	Vertical distribution of temperature	
	L-12	Discussion of question and Answer	
3	**L-13**	Definition, characteristics and causes of precipitation	S.Medda
	L-14	Processes and forms of precipitation	
	L-15	Mechanism of precipitation of Bergeron-Findeisen theory	
	L-16	Mechanism of precipitation of collision and coalescence	
	L-17	Forms of precipitation	
	L-18	Types of rainfall	
	L-19	Discussion of question and Answer	
	L-20	Class Test Examination	
4	**L-21**	Definition, characteristics and causes cyclones	S.Medda
	L-22	Definition, characteristics and causes Tropical cyclones	
	L-23	Definition, characteristics and causes mid-latitude cyclone	
	L-24	Climatic Classification (Koppen)	
	L-25	Discussion of question and Answer	
	L-26	Class Test Examination	
5	**L-27**	Definition and characteristics of soil	M.Medda
	L-28	Physical properties of soil texture	
	L-29	Physical properties of soil colour	
	L-30	chemical properties of soil pH	
	L-31	Discussion of question and Answer	
6	**L-32**	Soil forming factors	M.Medda
	L-33	Soil formation, characteristics and Profile of Podzol	
	L-34	Soil formation, characteristics Profile of Laterite	
	L-35	Discussion of question and Answer	
	L-36	Class Test Examination	
7	**L-37**	Definition and characteristics of Biosphere and Biogeography	M.Medda
	L-38	Definition and characteristics of Ecology, Ecosystem, Environment,	
	L-39	Definition and characteristics of Ecotone, Communities, Habitats and Biotopes.	
	L-40	Discussion of question and Answer	

8	**L-41**	Definition and characteristics of Rainforest	M.Medda
	L-42	Definition and characteristics of Temperate Grassland.	
	L-43	Discussion of question and Answer	

LESSON PLAN
SUBJECT: GROGRAPHY (CBCS General)
SEMESTER-2, PAPERCC- 1B (PHYSICAL ENVIRONMENT AND SURVEYING) ((PRACTICAL)
TOTAL NUMBER OF LECTURES AS ALLOTED IN THE SYLLABUS:
EACH LECTURE DURATION: 2 HOURS

		TOPIC	Teacher Assigned
SEC.	**Practical**	**UNIT II: SURVEYING AND LEVELLING (PRACTICAL)**	
1	**P-1**	Introduction to **SURVEYING AND LEVELLING,** Discussion about Syllabus, Syllabus module, Book-list.	S.Medda
	P-2	Definition and classification of surveying	
2	**P-3**	Parts and faction of Plane table survey	M.Medda
	P-4	Plane table survey by radiation method.	
	P-5	Plane table survey by radiation method and land use	
3	**P-6**	Parts and faction of Prismatic Compass	M.Medda
	P-7	Open traverse survey by Prismatic Compass	
	P-8	Closed traverse survey by Prismatic Compass	
	P-9	Calculation of Bearing	
	P-10	Calculation Missing Value	
	P-11	Closed traverse survey by Prismatic Compass and land use	
	P-12	Field practice	
4	**P-13**	Parts and faction of Dumpy level	S.Medda
	P-14	Staff reading measurement by Dumpy level	
	P-15	Calculation Reduced Level by Rise & Fall Method	
	P-16	Calculation Reduced Level by Collimation Method	
	P-17	Calculation Missing Value	
	P-18	Drawing of longitudinal profile by Dumpy level	
	P-19	Field practice	
	P-20	Discussion of question and Answer	
	P-21	Class Test Examination	

LESSON PLAN
SUBJECT: GROGRAPHY (CBCS General)
SEMESTER-3, PAPERCC 1C HUMAN GEOGRAPHY AND MAP STUDY(Theo)
TOTAL NUMBER OF LECTURES AS ALLOTED IN THE SYLLABUS:
EACH LECTURE DURATION: 1 HOUR

SEC.	LECTURE	TOPIC	Teacher Assigned
		UNIT I: HUMAN GEOGRAPHY(THEORY)	
1	**L-1**	Introduction to **HUMAN GEOGRAPHY**, Discussion about Syllabus, Syllabus module, Book-list.	S.Medda
	L-2	Definition and Nature of Human Geography	
	L-3	Major Subfields of Human Geography	
	L-4	Contemporary Relevance of Human Geography	
	L-5	Discussion of question and Answer	
2	**L-6**	Definition and Concepts of Space and Society	S.Medda
	L-7	Cultural Regions of Race	
	L-8	Cultural Regions of Religion	
	L-9	Cultural Regions of Language	
	L-10	Discussion of question and Answer	
3	**L-11**	Eskimos: Adjustment to the environment and recent development	S.Medda
	L-12	Discussion of question and Answer	
4	**L-13**	Definition and causes of Population Growth	S.Medda
	L-14	Demographic Transition Theory	
5	**L-15**	Definition and causes of population migration	M.Medda
	L-16	Types of population migration with reference to India	
	L-17	Effects of population migration	
	L-18	Discussion of question and Answer	
6	**L-19**	World Population Distribution	M.Medda
	L-20	World Population Composition Age-sex pyramid	
	L-21	World Population Male-Female ratio	
	L-22	World Population Literacy ratio	
	L-23	Discussion of question and Answer	
7	**L-24**	Definition and controlling factors of rural Settlements	M.Medda
	L-25	Types of Rural Settlements	
	L-26	Patterns of Rural Settlements	
	L-27	Discussion of question and Answer	
8	**L-28**	Definition and controlling factors of Urban settlements	M.Medda
	L-29	Classification of Urban Settlements	
	L-30	Functional classification of towns	
	L-31	Discussion of question and Answer	

	L-32	**Class Test**	

LESSON PLAN
SUBJECT: GROGRAPHY (CBCS General)
SEMESTER-3, PAPERCC-1C HUMAN GEOGRAPHY AND MAP STUDY(PRACTICAL)
TOTAL NUMBER OF LECTURES AS ALLOTED IN THE SYLLABUS:
EACH LECTURE DURATION: 2 HOURS

		TOPIC	**Teacher Assigned**
SEC.	**PRACTICAL**	**UNIT II: MAP PROJECTION AND MAP INTERPRETATION ()**	
1	**P-1**	Introduction to **map projection and map interpretation** , Discussion about Syllabus, Syllabus module,	M.Medda
	P-2	Calculation and Drawing of Simple Conical projection with one standard parallel (North)	
	P-3	Calculation and Drawing of Simple Conical projection with one standard parallel (South)	
	P-4	Discussion of question and Answer	
2	**P-5**	Calculation and Drawing Cylindrical Equal Area projection	S.Medda
	P-6	Calculation and Drawing Cylindrical Equal Area projection	
	P-7	Discussion of question and Answer	
3	**P-8**	Introduction to Topographical map	M.Medda
	P-9	**Introduction of sheet, dimension, R.F.**	
	P-10	**Conventional singe of topographical map**	
	P-11	Relation between Physiographic, drainage and settlement	
	P-12	Interpretation Physiographic, drainage and settlement	
	P-13	Discussion of question and Answer	
4	**P-14**	Introduction of weather maps	S.Medda
	P-15	**Conventional singe** weather maps	
	P-16	Interpretation of weather maps	
	P-17	Discussion of question and Answer	
	P-18	**Class Test**	

LESSON PLAN
SUBJECT: GROGRAPHY (CBCS General)
SEMESTER-4, PAPERCC – 1D : ENVIRONMENTAL GEOGRAPHY(Theo)
TOTAL NUMBER OF LECTURES AS ALLOTED IN THE SYLLABUS:
EACH LECTURE DURATION: 1 HOUR

SEC.	LECTURE	TOPIC UNIT I: ENVIRONMENTAL GEOGRAPHY(THEORY)	Teacher Assigned
1	L-1	Introduction to **ENVIRONMENTAL GEOGRAPHY**, Discussion about Syllabus, Syllabus module, Book-list.	M.Medda
	L-2	Definition and Nature of Environmental Geography	
	L-3	Concepts and approaches of Environmental Geography	
	L-4	Discussion of question and Answer	
2	L-5	Concept and Structure of Ecosystem	M.Medda
	L-6	Functions of Ecosystem	
	L-7	Components of Ecosystem	
	L-8	Discussion of question and Answer	
	L-9	**Class test**	
3	L-10	Human-Environment Relationship in Mountain	M.Medda
	L-11	Human-Environment Relationship in Coastal Regions	
	L-12	Discussion of question and Answer	
4	L-13	Environmental Problems and Causes of Air Pollution	M.Medda
	L-14	Environmental Management of Air Pollution	
	L-15	Environmental Problems and Causes of Water Pollution	
	L-16	Environmental Management of Water Pollution	
	L-17	Discussion of question and Answer	
5	L-18	Environmental Programmes	S.Medda
	L-19	Environmental Programmes and Policies: MAB	
	L-20	Discussion of question and Answer	
6	L-21	Forest Policy of India	S.Medda
	L-22	Wild Life Policy of India	
	L-23	Discussion of question and Answer	
	L-24	Class Test	
7	L-25	Concepts of Environmental Movements in India	S.Medda
	L-26	Environmental Movements in India: Chipko	
	L-27	Discussion of question and Answer	
	L-28	Definition and classification Wetlands	S.Medda
	L-29	Wetlands: Ramsar Sites in India	

8	**L-30**	Discussion of question and Answer	
	L-31	Class Test	
	L-32		
	L-33		
	L-34		
	L-35		

LESSON PLAN
SUBJECT: GROGRAPHY (CBCS General)
SEMESTER-4, PAPERCC – 1D : ENVIRONMENTAL GEOGRAPHY(PRACTICAL)
TOTAL NUMBER OF LECTURES AS ALLOTED IN THE SYLLABUS:
EACH LECTURE DURATION: 2 HOURS

		TOPIC	Teacher Assigned
SEC.	**PRACTICAL**	**UNIT 1: ENVIRONMENTAL GEOGRAPHY (PRACTICAL)**	
1	**P-1**	Introduction to **ENVIRONMENTAL GEOGRAPHY** , Discussion about Syllabus, Syllabus module,	M.Medda
	P-2	Questionnaire for Air Pollution	
	P-3	Health Perception Survey	
	P-4	Discussion of question and Answer	
2	**P-5**	Soil Test using Kit : pH	M.Medda
	P-6	Soil Test using Kit : Organic Carbon	
	P-7	Practice Laboratory	
3	**P-8**	Introduction of Mapping of Wetlands from Topographical Sheet	S.Medda
	P-9	Drawing of Mapping of Wetlands from Topographical Sheet	
	P-10	Interpretation of Mapping of Wetlands from Topographical Sheet	
	P-11	Practice Laboratory	
4	**P-12**	Introduction of Mapping of Forest from Topographical Sheet	S.Medda
	P-13	Drawing of Mapping of Forest from Topographical Sheet	
	P-14	Interpretation of Mapping of Forest from Topographical Sheet	
	P-15	Practice Laboratory	
	P-16	Discussion of Laboratory Note Book	
	P-17	Discussion Viva-Voce	
	P-18		

LESSON PLAN
SUBJECT: GROGRAPHY (CBCS General)
SEMESTER-5, PAPERDSE-1A : GEOGRAPHY OF INDIA(Theo)
TOTAL NUMBER OF LECTURES AS ALLOTED IN THE SYLLABUS:
EACH LECTURE DURATION: 1 HOUR

		TOPIC	Teacher Assigned
SEC.	**LECTURE**	**UNIT: 1 – GEOGRAPHY OF INDIA (THEORY)**	
1	**L-1**	Introduction to **GEOGRAPHY OF INDIA,** Discussion about Syllabus, Syllabus module, Book-list.	M.Medda
	L-2	Physical Setting and Landforms in India	
	L-3	Classification physiographic division in India	
	L-4	Drainage system in India	
	L-5	Classification of Climate in India	
	L-6	Discussion of question and Answer	
2	**L-7**	Distribution and growth of population in India	S.Medda
	L-8	Population – Size and Growth since Independence	
	L-9	Discussion of question and Answer	
3	**L-10**	Definition and controlling factors of Rural Settlement	S.Medda
	L-11	Types of Rural settlement according to shape	
	L-12	Types of Rural settlement according to patterns	
	L-13	Definition and controlling factors of Urban Settlement	
	L-14	Functional classification of Urban Settlement	
	L-15	Discussion of question and Answer	
4	**L-16**	Geographical favourable factors, uses, and distribution of Rice in India	M.Medda
	L-17	Geographical favourable factors, uses, and distribution of Wheat in India	
	L-18	Geographical favourable factors, uses, and distribution of Cotton in India	
	L-19	Discussion of question and Answer	
5	**L-20**	Ore, uses, and distribution of Iron ore in India	S.Medda
	L-21	Ore, uses, and distribution of Bauxite in India	
	L-22	Discussion of question and Answer	
6	**L-23**	Ore, uses, and distribution of Coal in India	S.Medda
	L-24	Ore, uses, and distribution of Petroleum in India	
	L-25	Discussion of question and Answer	
	L-26	Class test	
7	**L-27**	Geographical favourable factors, and distribution Cotton Textile in India	M.Medda
	L-28	Geographical favourable factors, and distribution of Iron and Steel Industries in India	
	L-29	Discussion of question and Answer	
8	**L-30**	Regional Account of Sunderban	M.Medda
	L-31	Regional Account of Marusthali	
	L-32	Discussion of question and Answer	
	L-33		
	L-34		
	L-35		

কবিকঙ্কণ মুকুন্দরাম
মহাবিদ্যালয়

LESSON PLAN
SUBJECT: GROGRAPHY (CBCS General)
SEMESTER-6, PAPERDSE-1B : DISASTER MANAGEMENT(Theo)
TOTAL NUMBER OF LECTURES AS ALLOTED IN THE SYLLABUS:
EACH LECTURE DURATION: 1 HOUR

		TOPIC	Teacher Assigned
SEC.	**LECTURE**	**UNIT: 1 –DISASTER MANAGEMENT(THEORY)**	
1	**L-1**	Introduction to **DISASTER MANAGEMENT,** Discussion about Syllabus, Syllabus module, Book-list.	S.Medda
	L-2	Meaning and Classification of Hazards	
	L-3	Causes, Consequences and Management of Hazards	
	L-4	Meaning and Classification of Disasters	
	L-5	Causes, Consequences and Management of Disasters	
	L-6	Discussion of question and Answer	
2	**L-7**	Approaches to hazard study	S.Medda
	L-8	Risk perception and vulnerability assessment	
	L-9	Discussion of question and Answer	
3	**L-10**	Responses to hazards: Preparedness	M.Medda
	L-11	Responses to hazards: trauma and aftermath	
	L-12	Resilience and capacity building	
	L-13	Discussion of question and Answer	
	L-14	Class test	
4	**L-15**	Definition and classification of Hazard mapping	M.Medda
	L-16	Hazard mapping: Data and techniques.	
	L-17	Hazard mapping: Data and techniques in India	
	L-18	Discussion of question and Answer	
5	**L-19**	Definition, classification and Causes of Earthquake	M.Medda
	L-20	Consequences and Management of Earthquake	
	L-21	Discussion of question and Answer	
6	**L-22**	Definition, classification and Causes of Landslide	M.Medda
	L-23	Consequences and Management of Landslide	
	L-24	Discussion of question and Answer	
	L-25	Class test	
7	**L-26**	Definition, classification and Causes of Cyclone	S.Medda
	L-27	Definition, classification and Causes of Tropical Cyclone	
	L-28	Consequences and Management of Cyclone	
	L-29	Consequences and Management of Tropical Cyclone	
	L-30	Discussion of question and Answer	
8	**L-31**	Definition, classification and Causes of Flood	S.Medda
	L-32	Consequences and Management of Flood	
	L-33	Discussion of question and Answer	
	L-34		
	L-35		

LESSON PLAN
SUBJECT: GROGRAPHY (CBCS General)
SEMESTER-3, PAPERSEC 1 – COMPUTER BASICS AND COMPUTER APPLICATIONS (PRACTICAL)
TOTAL NUMBER OF LECTURES AS ALLOTED IN THE SYLLABUS:
EACH LECTURE DURATION: 2 HOURS

		TOPIC	Teacher Assigned
SEC.	**PRACTICAL**	**COMPUTER BASICS AND COMPUTER APPLICATIONS (PRACTICAL)**	
1	**P-1**	Introduction to Computer Basics and Computer Applications, Discussion about Syllabus, Syllabus module,	S.Medda
	P-2	Numbering Systems; Binary Arithmetic	
2	**P-3**	Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank,	S.Medda
	P-4	Data Computation, Storing and Formatting in Spreadsheets: Computation of Mean	
	P-5	Data Computation, Storing and Formatting in Spreadsheets: Computation of Median	
	P-6	Data Computation, Storing and Formatting in Spreadsheets: Computation of Mode	
	P-7	Data Computation, Storing and Formatting in Spreadsheets: Computation of Standard Deviation	
	P-8	Data Computation, Storing and Formatting in Spreadsheets: Computation of Moving Averages	
	P-9	Data Computation, Storing and Formatting in Spreadsheets: Computation of Derivation of Correlation,	
	P-10	Covariance and regression; Selection of technique and interpretation.	
	P-11	Discussion of question and Answer	
	P-12	Class Test	
3	**P-13**	Preparation of An noted Diagrams and its interpretation: Scatter diagram	M.Medda
	P-14	Preparation of An noted Diagrams and its interpretation: Histogram	
	P-15	Discussion of question and Answer	
4	**P-16**	Internet Surfing: Generation	M.Medda
	P-17	Internet Surfing: extraction of information	
	P-18	Discussion of question and Answer	