

## TEACHING PLAN

**1) Name of the teacher: Dr. Jonali Saikia Borkakoty**

Course: C4

Programme: B.A 2<sup>nd</sup> Semester (Core)

Paper code: GGRM 202T4 (Geography of India), GGRM202P2 (Practical on Thematic Cartography),

Class allotted (per week): 14

Paper/Unit	Course content	Key Aspects (Topics of discussion)	Teaching Methods	Assessment Methods	Learning outcome	Classes required
GGRM 202T4/ Unit-I	Physical: Physiographic Divisions, soil and vegetation, climate (characteristics and classification)	Physiographic division, soil region, vegetation types, Climate of India	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Physiographic divisions, climate, vegetation, soils of India  SKILL DEVELOPED  Ability to understand the various aspects of India	14
GGRM 202T4/ Unit-II	Population: Distribution and growth, Structure; Social: Distribution of population by race, caste, religion, language, tribes and their correlates	Population Characteristics, social composition and their correlates.	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Distribution, growth and structure of population by race, caste, religion, language and tribes  SKILL DEVELOPED	16

					Ability to understand the various aspects of India	
GGRM 202P2/ UNIT-II	Thematic mapping of NE India Preparation of maps showing geographical themes – soil, industries, population, minerals, forest, agriculture etc	Maps of North east India showing classification of soils, industries, population, minerals, forests, agriculture etc.	Maps, Chalk, Blackboard, lecture, PPT	Practical note book	KNOWLEDGE GAINED  Preparation of thematic maps on minerals, forest, agriculture, soils of India and Assam  SKILL DEVELOPED  Application of thematic mapping	12
GGRM 202P2/ UNIT-III	Age-sex pyramid and developing countries.	Statistics showing the Age-sex pyramid of develop and developing countries of the world.	Maps, Chalk, Blackboard, lecture, PPT	Practical note book	KNOWLEDGE GAINED  Age-sex pyramid of developing and developed countries	4

**Name of the teacher: Dr. Jonali Saikia Borkakoty**

Course: C9

Programme: B.A 4<sup>th</sup> Semester (Core)

Paper code: GGRM 402 T6 (Environmental Geography)

Class allotted (per week): 14

Paper/Unit	Course content	Key Aspects (Topics of	Teaching Methods	Assessment Methods	Learning outcome	Classes required
------------	----------------	------------------------	------------------	--------------------	------------------	------------------

		discussion)				
GGRM 402 T6/ UNIT-I	.Environmental Geography – Concept and Scope	Meaning, scope , nature of Environmental Geography	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDG E GAINED  Concept and scope of Environmental Geography	10
GGRM 402 T6/ Unit-II	Human-Environment Relationships – Historical Progression, Adaptation in different Biomes.	Evolution of man environment relationships, adaptation in different biomes of the world	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDG E GAINED  Human-environment relationships, Adaptation in different Biomes	18
GGRM 402T6/ UNIT-III	Ecosystem – Concept, Structure and Functions	Meaning, concept, structure and functions of Ecosystems.	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDG E GAINED  Concept, types , structure, functions of different ecosystem	18

**Name of the teacher: Dr. Jonali Saikia Borkakoty**

Course: C13, C14, DSE3, DSE4

Programme: B.A 6<sup>th</sup> Semester (Core)

Paper code: GGRM 601T6 (Evolution of Geographical Thought), GGRM 602P6 (Disaster Management based Project Work), GGRMDSE 601BT6 (Political Geography), GGRMDSE 602BT6 (Social Geography)

Class allotted (per week): 14

Paper/Unit	Course content	Key Aspects (Topics of discussion)	Teaching Methods	Assessment Methods	Learning outcome	Classes required
GGRM	Debates –	Environment	Maps,	Class test,	KNOWLEDG E GAINED	20

601T6/ UNIT-IV	Environmental Determinism and Possibilism, Systematic and Regional, Ideographic and Nomeothetic.	al Determinism, possibilism, systematic approach, regional approach, Idiographic and Nomothetic Approach	Chalk, Blackboard, lecture PPT,	group discussion , seminar, Previous questions discussion etc.	Debates on Environmental Determinism and Possibilism, Systematic and Regional, Ideographic and Nomothetic	
GGRM 602P6	Field Work (Flood, Landslide, Drought, Earthquake, Cyclone and Man-made Disaster)	Project preparation on disaster after visiting the disaster prone area of Assam.	Field work	Discussion	SKILL DEVELOPED  Practical knowledge through extensive survey over an area to evaluate the nature, intensity, frequency, and impact of a hazard,/ disaster and suggesting possible mitigation measure	20
GGRM DSE601BT 6/ UNIT-I	Introduction: Concepts, Nature and Scope	Concept, nature and scope of Political Geography	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion , seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Concept, nature and scope of Political Geography	15
GGRM DSE602BT 6/ UNIT-IV	Geographies of Welfare and Well being: Concept and Components – Healthcare,	Knowledge on welfare, and well being of population	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion , seminar, Previous questions discussion	KNOWLEDGE GAINED  Knowledge on welfare, and well being of	18

	Housing and Education.			etc.	population	
--	------------------------	--	--	------	------------	--

**2) Name of the teacher: Mrs. Sangeeta Saikia**

Course: C3, GE2

Programme: B.A 2<sup>nd</sup> Semester (Core)

Paper code: GGRM 201 T6 (Human Geography) , GGRM GE201BT6(Regional Development)

Class allotted (per week): 17

Paper/Unit	Course content	Key Aspects (Topics of discussion)	Teaching Methods	Assessment Methods	Learning outcome	Classes required
GGRM 201T6/ Unit-I	Introduction: Defining Human Geography; Major Themes; Contemporary Relevance	Definition and meaning of Human Geography, Major themes of Human Geography and its contemporary relevance	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Major themes of Human Geography and its contemporary relevance	12
GGRM 201T6/ Unit-II	Space and Society: Cultural Regions; Race; Religion and Language	Concept of space and society, knowledge on cultural regions, race, religion and language	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Space and Society, Cultural Regions, Race ,Religion and Language	18
GGRM GE 201BT6/	Choice of a Region for Planning:	Knowledge on regions, Ideal	Maps, Chalk, Blackboard	Class test, group discussion,	KNOWLEDGE GAINED  Choice of a	18

UNIT-III	Characteristics of an Ideal Planning Region; Delineation of Planning Region; Regionalization of India for Planning (Agro Ecological Zones)	characteristic of region, delineation of regions, Agro-Ecological Zones of India	, lecture, PPT	seminar, Previous questions discussion etc.	region for planning, Characteristics and delineation of planning regions, Agro-Ecological Zones of India	
GGRM GE 201BT6/ UNIT-IV	Strategies/Models for Regional Planning: Growth Pole Model of Perroux; Growth Centre Model in Indian Context; Village Cluster	Different models and strategies for regional planning, Growth Pole Theory, Growth Centre Model, Village Cluster	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Strategies / Models for Regional Planning	15

**Name of the teacher: Mrs. Sangeeta Saikia**

Course: C9, C10, GE4

Programme: B.A 4<sup>th</sup> Semester (Core)

Paper code: GGRM 402 T6 (Environmental Geography), GGRM 403P2 (Remote Sensing and GIS), GGRM GE401AT6 (Industrial Geography)

Class allotted (per week): 17

Paper/Unit	Course content	Key Aspects (Topics of discussion)	Teaching Methods	Assessment Methods	Learning outcome	Classes required
GGRM	Environmental	Environmenta	Maps,	Class test,	KNOWLEDG	18

402 T6/ UNIT-IV	Problems in Tropical, Temperate and Polar Ecosystems	I Problems in Tropical, Temperate and Polar Ecosystems	Chalk, Blackboard, lecture, PPT	group discussion, seminar, Previous questions discussion etc.	E GAINED  Environmental Problems in Tropical, Temperate and Polar Ecosystems	
GGRM 402 T6/ UNIT-V	Environmental Programmes and Policies – Global, National and Local levels	Global, National and Local Level environmental programmes and policies	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Environmental Programmes and Policies-Global, National and Local Levels	20
GGRM 403P2/ UNIT-IV	Image Processing (Digital and Manual) and Data Analysis: Pre-processing (Radiometric and Geometric Correction), Enhancement (Filtering); Classification (Supervised and Un-supervised), Geo-Referencing; Editing and Output; Overlays	Image Processing and Data Analysis, Pre-processing, Enhancement, Classification, Geo-Referencing, Editing and Output, Overlays	Maps, Chalk, Blackboard, lecture, PPT	Practical note book, Hands on Practical	KNOWLEDGE GAINED  Image Processing and Data Analysis, Pre-processing, Enhancement, Classification, Geo-Referencing, Editing and Output, Overlays  SKILL DEVELOPED  Developed skills in diversified applications of remote sensing data and technology	09
GGRM	Interpretation	Interpretation	Maps,	Practical	KNOWLEDGE	04

403P2/ UNIT-V	and Application of Remote Sensing and GIS: Land use/ Land Cover, Urban Sprawl Analysis; Forests Monitoring	and Application of Remote Sensing and GIS in LULC, Urban Sprawl Analysis, Forests monitoring	Chalk, Blackboard, lecture, PPT	note book, Hands on Practical	E GAINED  Interpretation and Application of Remote Sensing and GIS in LULC, Urban Sprawl Analysis, Forests monitoring  SKILL DEVELOPED  Developed skills in diversified applications of remote sensing data and technology	
GGRM GE401AT 6/ UNIT-IV	Impact of Industrialisation in India: Environmental ; Social and Economic	Environmental, social and economic impact of industrialisation in India	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion , seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Environmental, Social, Economic impact of industries in India, Industrial Policy in India	13
GGRM GE401AT 6/ UNIT-V	Industrial Policy of India	Knowledge on Industrial Policies of India	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion , seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Industrial Policy in India	14

**Name of the teacher: Mrs. Sangeeta Saikia**

Course: C13, C14, DSE 3 (6C), DSE 4 (6C)

Programme: B.A. 6<sup>th</sup> Semester (Core)

Paper code: GGRM 601 T6 (Evolution of Geographical Thought), GGRM 602 T6 (Disaster Management), GGRM DSE 601 BT6 ( Political Geography), GGRM DSE 602 BT6 ( Social Geography)

Class allotted (per week): 17

Paper/Unit	Course content	Key Aspects (Topics of discussion)	Teaching Methods	Assessment Methods	Learning outcome	Classes required
GGRM 601 T6 / UNIT- II	Pre-Modern- Early Origins of Geographical Thinking with Reference to the Classical and medieval Philosophies	Pre-modern origins of Geographical Thinking with reference to classical and medieval philosophies	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Geographical Thinking with reference to the Classical and Medieval Philosophies	19
GGRM 602 T6/ UNIT –III	Manmade disasters: Causes, Impact, and Distribution	Causes ,impact and distribution of man-made disaster	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Causes ,impact and distribution of man-made disaster	08
GGRM DSE 601 BT6/ UNIT- IV	Political Geography of Resource Conflicts – Water Sharing Disputes, Disputes and Conflicts Related to Forest Rights and	Knowledge on political geographies of conflicts of resources, water sharing, forest rights and minerals	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Knowledge on political geographies of conflicts of resources, water sharing, forest rights and minerals	18

	Minerals					
GGRM DSE 602 BT6/ UNIT- I	Social Geography: Concept, Origin, Nature and Scope.	Concept, Origin, nature and scope of social geography	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Concept, Origin, nature and scope of social geography	15

### 3) Name of the teacher: Dr. Navamallika Sharma

Course: C3, C4, GE2

Programme: B.A. 2<sup>nd</sup> Semester (Core)

Paper code: GGRM 201 T6 (Human Geography), GGRM 202 P2 ( Practical on Thematic Cartography), GGRM GE 201 BT6 ( Regional Development)

Class allotted (per week): 16

Paper/Unit	Course content	Key Aspects (Topics of discussion)	Teaching Methods	Assessment Methods	Learning outcome	Classes required
GGRM 201 T6 / UNIT -III	Population: population Growth and Distribution; Population Composition ; Demographic transition Theory	Population Growth, Distribution, Composition and Demographic Transition Theory	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Population Growth, Distribution, Composition and Demographic Transition Theory	22
GGRM 201 T6/ UNIT –IV	Settlements: Types of Rural Settlements;	Types of Settlement: Rural and Urban, Classification	Maps, Chalk, Blackboard, lecture,	Class test, group discussion, seminar,	KNOWLEDGE GAINED  Types of Settlement:	22

	Classification of Urban Settlements; Trends and Patterns of World Urbanization	of Urban Settlement, Trends and Patterns of World Urbanization	PPT	Previous questions discussion etc.	Rural and Urban, Classification of Urban Settlement, Trends and Patterns of World Urbanization	
GGRM 201 T6/ UNIT-V	Population-Resource Relationship	Population-Resource Relationship	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Population-Resource Relationship	10
GGRM 202 P2/ UNIT-1	Preparation of maps showing geographical themes – minerals, forest, agriculture etc. Shape index analysis – comparison of shapes of Pre and Post Independent India	Preparation of thematic maps on minerals, forest, agriculture, soils of India and Assam  Shape Index analysis	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Preparation of thematic maps on minerals, forest, agriculture, soils of India and Assam  Shape Index analysis	12
GGRM GE 201 BT6/ UNIT-II	Regional Imbalances and Problems of Functional Regions	Regional Imbalance and Problems of Functional Region	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion etc.	KNOWLEDGE GAINED  Regional Imbalance and Problems of Functional Region	15

**Name of the teacher: Dr. Navamallika Sharma**

Course: C8, C10, GE 4 (6C)

Programme: B.A. 4<sup>th</sup> Semester (Core)

Paper code: GGRM 401 T6 ( Economic Geography), GGRM 403 T4 ( Remote Sensing and GIS), GGRM GE 401 AT6 ( Industrial Geography)

Class allotted (per week): 16

Paper/Unit	Course content	Key Aspects (Topics of discussion)	Teaching Methods	Assessment Methods	Learning outcome	Classes required
GGRM 401 T6/ UNIT- I	Introduction: Concept and classification of economic activity	Concept and classification of economic activity	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Concept and classification of economic activity	06
GGRM 401 T6/ UNIT- II	Factors Affecting location of Economic Activity with special reference to Agriculture (Von Thunen theory), Industry (Weber's theory)	Factors affecting location of economic activity , Von Thunen's Theory, Weber's Theory	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Factors affecting location of economic activity , Von Thunen's Theory, Weber's Theory	18
GGRM 403 T4/ UNIT- I	Historical Development of remote sensing as a technology- Relevance of remote sensing in Geography.	Historical Development and relevance of remote sensing in Geography	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Historical Development and relevance of remote sensing in Geography	14
GGRM 403 T4/ UNIT- II	Concept and basics: Energy	Concept and basics of energy	Maps, Chalk, Blackboard,	Class test, group discussion,	KNOWLEDGE GAINED	13

	source, energy and radiation principles	sources, energy and radiation principles	lecture, PPT	seminar, Previous questions discussion	Concept and basics of energy sources, energy and radiation principles	
GGRM GE 401 AT6/ UNIT- III	Mega Industrial Complexes: National Capital Region, Mumbai-Pune Industrial Region, Bengaluru-Chennai Industrial Region and Chota Nagpur Industrial Region	Mega Industrial Complexes in India	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Mega Industrial Complexes in India	22

**Name of the teacher: Dr. Navamallika Sharma**

Course: C13, C14, DSE 3 (6C), DSE 4 (6C)

Programme: B.A. 6<sup>th</sup> Semester (Core)

Paper code: GGRM 601 T6 (Evolution of Geographical Thought), GGRM 602 T6 (Disaster Management), GGRM DSE 601 BT6 ( Political Geography), GGRM DSE 602 BT6 ( Social Geography).

Class allotted (per week): 16

Paper/Unit	Course content	Key Aspects (Topics of discussion)	Teaching Methods	Assessment Methods	Learning outcome	Classes required
------------	----------------	------------------------------------	------------------	--------------------	------------------	------------------

GGRM 601 T6/ UNIT- 5	Trends – Quantitative Revolution and its Impact, Behaviouralis m, Systems Approach, Radicalism, Feminism; Towards Post Modernism – Changing Concept of Space in Geography, Future of Geography	Quantitative Revolution and its Impact, Behaviouralis m, Systems Approach, Radicalism, Feminism, Post Modernism, Concept of Space in Geography, Future of Geography	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDG E GAINED  Quantitative Revolution and its Impact, Behaviouralis m, Systems Approach, Radicalism, Feminism, Post Modernism, Concept of Space in Geography, Future of Geography	19
GGRM 602 T6/ UNIT- 2	Disasters in India: Flood, Landslide, Drought, Earthquake and Tsunami, Cyclone, : Causes, Impact and Distribution	Flood, Landslide, Drought, Earthquake and Tsunami, Cyclone, : Causes, Impact and Distribution IN India	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDG E GAINED  Flood, Landslide, Drought, Earthquake and Tsunami, Cyclone, : Causes, Impact and Distribution IN India	16
GGRM DSE 601 BT6/ UNIT-II	State, Nation and Nation State – Concept of Nation and State, Attributes of State – Frontiers, Boundaries, Shape, Size, Territory and Sovereignty, Concept of Nation State; Geopolitics; Theories	Concept of State, Nation and Nation State – Concept of Nation and State, Attributes of State – Frontiers, Boundaries, Shape, Size, Territory and Sovereignty, Concept of Nation State; Geopolitics;	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDG E GAINED  State, Nation and Nation State – Concept of Nation and State, Attributes of State – Frontiers, Boundaries, Shape, Size, Territory and Sovereignty, Concept of	18

	(Heartland and Rimland)	Theories (Heartland and Rimland)			Nation State; Geopolitics; Theories (Heartland and Rimland)	
GGRM DSE 602 BT6/ UNIT- 2	Peopling Process of India: Technology and Occupational Change; Migration.	Peopling Process of India	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Peopling Process of India:	15

**4) Name of the teacher: Miss Rima Devi**

Course: C4, GE2

Programme: B.A. 2<sup>nd</sup> Semester (Core)

Paper code: GGRM 202 T4 (Geography of India) , GGRM GE 201 BT6 ( Regional Development)

Class allotted (per week): 16

Paper/Unit	Course content	Key Aspects (Topics of discussion)	Teaching Methods	Assessment Methods	Learning outcome	Classes required
GGRM 202 T4/ UNIT-III	Economic: Mineral and power resources distribution and utilisation of iron ore, coal, petroleum, gas; agricultural production and distribution of rice and wheat, industrial development	Distribution and utilization of minerals, power resources agricultural and production in India, industrial development	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Distribution and utilization of minerals, power resources agricultural and production in India, industrial development	16

	: automobile and Information technology					
GGRM GE 201 BT6/ UNIT- I	Definition of Region, Evolution, Types and Need of Regional planning: Formal, Functional, and Planning Regions and Regional Development	Concept, types and evolution of Region, Need of Regional Planning,	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Concept, types and evolution of Region, Need of Regional Planning,	18

**Name of the teacher: Miss Rima Devi**

Course: C8, C10, GE 4 (6C)

Programme: B.A. 4<sup>th</sup> Semester (Core)

Paper code: GGRM 401 T6 ( Economic Geography), GGRM 403 T4 ( Remote Sensing and GIS), GGRM GE 401 AT6 ( Industrial Geography)

Class allotted (per week): 16

Paper/Unit	Course content	Key Aspects (Topics of discussion)	Teaching Methods	Assessment Methods	Learning outcome	Classes required
GGRM 401 T6/ UNIT-5	Tertiary Activities: Transport, Trade and Services.	Ability to understand the basic ideas of tertiary activities and its spatio-temporal patterns and types	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Ability to understand the basic ideas of tertiary activities and its spatio-temporal patterns and types	16

GGRM 403 T4/ UNIT-III	Energy interactions in the atmosphere and earth surface features.	Energy interactions in the atmosphere and earth surface features	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDG E GAINED  Energy interactions in the atmosphere and earth surface features	13
GGRM 403 T4/ UNIT-IV	Remote sensing systems: platforms, sensors and Radiation Records	Remote sensing platforms, sensors and radiation records	Maps, Chalk, Blackboard , lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDG E GAINED  Remote sensing platforms, sensors and radiation records	16
GGRM 403 P2/ UNIT-I	Remote Sensing and GIS: Definition and Components, Development, Platforms and Types	Definitions, Components, Development, Platforms and types of Remote Sensing and GIS	Maps, Chalk, Blackboard , lecture, PPT	Practical note book, Hands on Practical	KNOWLEDG E GAINED  Definitions, Components, Development, Platforms and types of Remote Sensing and GIS	04
GGRM 403 P2/ UNIT-II	Aerial Photography and Satellite Remote Sensing: Principles, Types and Geometry of Aerial  Photograph; Principles of Remote Sensing, EMR Interaction with Atmosphere and Earth	Geometry, principle and types of Aerial Photography and Satellite Remote Sensing,  Satellites ( Landsat and IRS) and Sensors, interaction of EMR with atmosphere and earth surface	Maps, Chalk, Blackboard , lecture, PPT	Practical note book, Hands on Practical	SKILL DEVELOPED  Geometry, principle and types of Aerial Photography and Satellite Remote Sensing,  interaction of EMR with atmosphere and earth surface features  Satellites (	08

	Surface; Satellites (Landsat and IRS) and Sensors.	features			Landsat and IRS) and Sensors  Developed skills in diversified applications of remote sensing data and technology	
GGRM 403 P2/ UNIT-III	GIS Data Structures: Types (spatial and Non-spatial), Raster and Vector Data Structure	GIS Data Structures and its different types	Maps, Chalk, Blackboard, lecture, PPT	Practical note book, Hands on Practical	KNOWLEDGE GAINED  GIS Data Structures and types	03
GGRM GE 401 T6/ UNIT-2	Types, Geographical Characteristics and Location of Industries (Weber's Theory): Small and Medium Industries, Heavy Industries: Coal and Iron based industries, Rural based Industries, Footloose Industry.	Types, Geographical characteristics and Location of Industries, Coal and Iron based industries, Rural based industries, Footloose industries	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Types, Geographical characteristics and Location of Industries, Coal and Iron based industries, Rural based industries, Footloose industries	22

**Name of the teacher: Miss Rima Devi**

Course: C13, C14, DSE 3 (6C), DSE 4 (6C)

Programme: B.A. 6<sup>th</sup> Semester (Core)

Paper code: GGRM 601 T6 (Evolution of Geographical Thought), GGRM 602 T6 (Disaster Management), GGRM DSE 601 BT6 (Political Geography), GGRM DSE 602 BT6 ( Social Geography).

Class allotted (per week): 16

Paper/Unit	Course content	Key Aspects (Topics of discussion)	Teaching Methods	Assessment Methods	Learning outcome	Classes required
GGRM 601 T6/ UNIT- III	Modern – Evolution of Geographical Thinking and Disciplinary Trends in Germany, France, Britain, United States of America.	Evolution of Modern Geographical Thinking and Disciplinary Trends in Germany, France, Britain, United States of America	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Evolution of Modern Geographical Thinking and Disciplinary Trends in Germany, France, Britain, United States of America	20
GGRM 602 T6/ UNIT- IV	Response and Mitigation to Disasters: Mitigation and Preparedness, NDMA and NIDM; Indigenous Knowledge and Community-Based Disaster Management; Do's and Don'ts During and Post Disaster	Response and mitigation taken during disasters, concept and functions of NIDM and NDMA, Indigenous Knowledge and Community-Based Disaster Management Do's and Don'ts During and Post Disaster	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Response and mitigation taken during disasters, concept and functions of NIDM and NDMA, Indigenous Knowledge and Community-Based Disaster Management Do's and Don'ts During and Post Disaster	16
GGRM DSE 601	Electoral Geography –	Voting behavior,	Maps, Chalk,	Class test, group	KNOWLEDGE GAINED	18

BT6/ UNIT-III	Geography of Voting, Geographic Influences on Voting pattern, Geography of Representation, Gerrymandering	Geographic Influences on Voting pattern, Geography of Representation, Concept of Gerrymandering	Blackboard, lecture, PPT	discussion, seminar, Previous questions discussion	Voting behavior, Geographic Influences on Voting pattern, Geography of Representation, Concept of Gerrymandering	
GGRM DSE 602 BT6/ UNIT- III	Social Categories: Caste, Class, Religion, Race and Gender and their Spatial distribution	Spatio-temporal variation of Race, Religion, caste, class and gender	Maps, Chalk, Blackboard, lecture, PPT	Class test, group discussion, seminar, Previous questions discussion	KNOWLEDGE GAINED  Spatio-temporal variation of Race, Religion, caste, class and gender	18

\*\*\*\*\*