



Domkal Girls' College
Domkal,
Murshidabad
Curriculum Distribution

Department: Geography
Curriculum Distribution
Academic Session: 2021-2022
Semester: 1st

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
GEOTECTONICS AND GEOMORPHOLOGY	Core course (GEO/G/CC/T/01)	I	Lithosphere- Internal structure of Earth based on Seismic Evidence	Daisy Nargis	6
GEOTECTONICS AND GEOMORPHOLOGY	Core course (GEO/G/CC/T/01)	I	Weathering: Types and related Landforms	Nabin mandal	6
GEOTECTONICS AND GEOMORPHOLOGY	Core course (GEO/G/CC/T/01)	I	Plate Tectonics and its Associated Landforms	Daisy Nargis	4
GEOTECTONICS AND GEOMORPHOLOGY	Core course (GEO/G/CC/T/01)	I	Landform Development in Arid Regions	Nabin mandal	8
GEOTECTONICS AND GEOMORPHOLOGY	Core course (GEO/G/CC/T/01)	I	Landform Development in Glaciated Regions	Nabin Mandal	8
GEOTECTONICS AND GEOMORPHOLOGY	Core course (GEO/G/CC/T/01)	I	Development of Fluvial Landforms	Nabin Mandal	8
GEOTECTONICS AND GEOMORPHOLOGY	Core course (GEO/G/CC/T/01)	I	Fluvial cycle of Erosion- Davis and Penck	Nabin Mandal	8
GEOTECTONICS AND GEOMORPHOLOGY	Core course (GEO/G/CC/T/01)	I	Hydrosphere : Hydrological Cycle	Nabin Mandal	2
GEOTECTONICS AND GEOMORPHOLOGY	Core course	I	Ocean Bottom Relief Features, Tides and Ocean Currents	Daisy Nargis	10

	(GEO/G/CC/T/01)				
SCALE & CARTOGRAPHY	GEO/G/CC/P/01	I	Map Scale: Types and Application, Linear and Comparative scale,	Daisy Nargis	20
SCALE & CARTOGRAPHY	GEO/G/CC/P/01	I	Representation of Data: Dot, Proportional Circles, Choropleth, Flow Diagram	Nabin Mandal	30
SCALE & CARTOGRAPHY	GEO/G/CC/P/01	I	Taylor's Climograph and Hythergraph	Daisy Nargis	10

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)	I	DEFINITION AND CONCEPTS: HAZARDS, DISASTERS, RISK AND VULNERABILITY, CLASSIFICATION OF HAZARDS	Daisy Nargis	5
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)	I	DISASTERS IN INDIA: A) FLOOD: CAUSE, IMPACT, DISTRIBUTION AND MAPPING B) LANDSLIDE: CAUSES, IMPACT, DISTRIBUTION AND MAPPING C) DROUGHT: CAUSES, IMPACT, DISTRIBUTION AND MAPPING	Nabin Mandal	20
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)		DISASTERS IN INDIA: D) EARTHQUAKE AND TSUNAMI: CAUSES, IMPACT, DISTRIBUTION AND MAPPING E) CYCLONE: CAUSES, IMPACT, DISTRIBUTION AND MAPPING	Daisy Nargis	15
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)		MANMADE DISASTERS: CAUSES, IMPACT; DISASTER MANAGEMENT DISTRIBUTION AND MAPPING OF SOIL EROSION AND ACCIDENTAL RELEASE OF TOXIC CHEMICALS	Nabin Mandal	10
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)		a)RESPONSES AND MITIGATION TO DISASTERS: INSTITUTIONAL SET UP, NDMA AND NIDM; INDIGENOUS KNOWLEDGE AND COMMUNITY BASED DISASTER MANAGEMENT	Daisy Nargis	8
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)		b) DO'S AND DON'S DURING AND POST DISASTERS	Daisy Nargis	2

Department: Geography
 Curriculum Distribution
 Academic Session: 2021-2022
 Semester: 2nd

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	I	Elements of weather and Climate; Thermal and Chemical Composition and Layering of the Atmosphere.	Daisy Nargis	7
CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	I	Heat Balance, Pressure Belt, and Planetary Wind Circulation System.	Daisy Nargis	10
CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	I	Forms of Precipitation and Types of Rainfall.	Daisy Nargis	3
CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	I	Tropical and Temperate Cyclones.	Daisy Nargis	6
CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	I	Climatic Classification.	Daisy Nargis	4
CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	II	Definition of Soil	Nabin Mandal	2
CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	II	Physical and Chemical Properties of Soil (Soil Texture, Colour and pH).	Nabin Mandal	10
CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	II	Soil Forming Factors.	Nabin Mandal	3
CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	II	Soil Formation (Podzol and Laterite).	Nabin Mandal	5
CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	II	Definition of Biosphere and Biogeography;	Nabin Mandal	2
CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	II	Meaning of Ecology, Ecosystem, Environment, Ecotone, Communities, Habitats, and Biotopes.	Nabin Mandal	3

CLIMATOLOGY, SOIL & BIOGEOGRAPHY	Core course (GEO/G/CC/T/02)	II	Environmental Problems and Management: Air pollution, Bio-diversity loss, Solid and Liquid Waste.	Nabin Mandal	5
SURVEYING AND LEVELLING	GEO/G/CC/P/02	I	Definition and Classification of Surveying, Open and Closed Traversing by Prismatic Compass	Daisy Nargis	30
SURVEYING AND LEVELLING	GEO/G/CC/P/02	I	Drawing of Longitudinal Profile by Dumpy Level.	Nabin Mandal	30

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
REGIONAL DEVELOPMENT	Generic Elective (GEO/H/G E/T/02/B)	I	1) Definition of Region , Evolution, Types and Need of Regional planning: Formal, Functional and Planning Region and Regional Development. 2) Regional Imbalance and Problems of Functional Region.	Nabin Mandal	15
REGIONAL DEVELOPMENT	Generic Elective (GEO/H/G E/T/02/B)	I	3) Choice of a Region for Planning: Characteristics of an Ideal planning Region, Delimitation of Planning Region, Regionalization of India for Planning(Agro-Ecological Zones).	Daisy Nargis	15
REGIONAL DEVELOPMENT	Generic Elective (GEO/H/G E/T/02/B)	I	4) Strategies/ Models for Regional Planning , Growth Pole Model of Perroux, Growth Centre Model in Indian Context , Village Cluster.	Daisy Nargis	10
REGIONAL DEVELOPMENT	Generic Elective (GEO/H/G E/T/02/B)	I	5) Problem Regions and Regional Planning, Backward Regions and Regional Plans- special Area Development Plans in India, DVC – The Success story and the Failures.	Nabin Mandal	15
REGIONAL DEVELOPMENT	Generic Elective (GEO/H/G E/T/02/B)	I	6) Concept of Human Development and HDI	Daisy Nargis	5

Department: Geography
 Curriculum distribution
 Academic session: 2021- 2022
 Semester: 3rd

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)	I	DEFINITION AND CONCEPTS: HAZARDS, DISASTERS, RISK AND VULNERABILITY, CLASSIFICATION OF HAZARDS	Daisy Nargis	5
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)	I	DISASTERS IN INDIA: A) FLOOD: CAUSE, IMPACT, DISTRIBUTION AND MAPPING B) LANDSLIDE: CAUSES, IMPACT, DISTRIBUTION AND MAPPING C) DROUGHT: CAUSES, IMPACT, DISTRIBUTION AND MAPPING	Nabin Mandal	20
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)	I	DISASTERS IN INDIA: D) EARTHQUAKE AND TSUNAMI: CAUSES, IMPACT, DISTRIBUTION AND MAPPING E) CYCLONE: CAUSES, IMPACT, DISTRIBUTION AND MAPPING	Daisy Nargis	15
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)	I	MANMADE DISASTERS: CAUSES, IMPACT; DISASTER MANAGEMENT DISTRIBUTION AND MAPPING OF SOIL EROSION AND ACCIDENTAL RELEASE OF TOXIC CHEMICALS	Nabin Mandal	10
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)	I	a)RESPONSES AND MITIGATION TO DISASTERS: INSTITUTIONAL SET UP, NDMA AND NIDM; INDIGENOUS KNOWLEDGE AND COMMUNITY BASED DISASTER MANAGEMENT	Daisy Nargis	8
DISASTER MANAGEMENT	Generic Elective (GEO/H/GE/T/01/A)	I	b) DO'S AND DON'S DURING AND POST DISASTERS	Daisy Nargis	2

Department: Geography
 Curriculum distribution
 Academic session: 2021-2022
 Semester: 3rd

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
HUMAN GEOGRAPHY	Core course (GEO/G/CC/T/03)	I	Definition, Nature, Major Subfields, Contemporary Relevance	Daisy Nargis	5
HUMAN GEOGRAPHY	Core course (GEO/G/CC/T/03)	I	Space and Society: Cultural Regions, Race, Religion, and Language	Daisy Nargis	20
HUMAN GEOGRAPHY	Core course (GEO/G/CC/T/03)	I	Population: Population Growth and Demographic Transition Theory Types of Population Migration with reference to India World Population Distribution and Composition (Age, Gender and Literacy)	Nabin Mandal	20
HUMAN GEOGRAPHY	Core course (GEO/G/CC/T/03)	I	Settlements: Types and Patterns of Rural Settlements Classification of Urban Settlements Functional Classification of Towns	Nabin Mandal	15
MAP PROJECTION	Core course (GEO/G/CC/P/03)	II	Simple Conical Projection with One Standard Parallel, Cylindrical Equal Area Projection	Nabin Mandal	20
MAP INTERPRETATION	Core course (GEO/G/CC/P/03)	II	Interpretation of Topographical Maps: Relation between Physiography, Drainage and Settlement, Interpretation of Weather Maps(Pre-Monsoon, Monsoon and Post Monsoon)	Daisy Nargis	40

COMPUTER BASICS AND COMPUTER APPLICATION	SEC (GEO/G/SE C/P/01/A)	I	Numbering Systems; Binary Arithmetic, Data computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Coefficient of Variation, Regression, Preparation of Annotated Diagrams and its Interpretation: Scatter Diagram and Histogram and Internet Surfing: Generation and Extraction of Information	Nabin Mandal	60

Department: Geography
 Curriculum distribution
 Academic session: 2021-2022
 Semester: 4th

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
REGIONAL DEVELOPMENT	Generic Elective (GEO/H/GE/T/02/B)	I	1) Definition of Region , Evolution, Types and Need of Regional planning: Formal, Functional and Planning Region and Regional Development. 2) Regional Imbalance and Problems of Functional Region.	Nabin Mandal	15
REGIONAL DEVELOPMENT	Generic Elective (GEO/H/GE/T/02/B)	I	3) Choice of a Region for Planning: Characteristics of an Ideal planning Region, Delimitation of Planning Region, Regionalization of India for Planning(Agro-Ecological Zones).	Daisy Nargis	15
REGIONAL DEVELOPMENT	Generic Elective (GEO/H/GE/T/02/B)	I	4) Strategies/ Models for Regional Planning , Growth Pole Model of Perroux, Growth Centre Model in Indian Context , Village Cluster.	Daisy Nargis	10
REGIONAL DEVELOPMENT	Generic Elective (GEO/H/GE/T/02/B)	I	5) Problem Regions and Regional Planning, Backward Regions and Regional Plans-special Area Development Plans in India, DVC – The Success story and the Failures.	Nabin Mandal	15
REGIONAL DEVELOPMENT	Generic Elective (GEO/H/GE/T/02/B)	I	6) Concept of Human Development and HDI	Daisy Nargis	5

Department: Geography
 Curriculum distribution
 Academic session: 2021-2022
 Semester: 4th

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
ENVIRONMENTAL GEOGRAPHY	Core course (GEO/G/CC/T/04)	I	Concept, structure and Functions of Ecosystem	Daisy Nargis	10
ENVIRONMENTAL GEOGRAPHY	Core course (GEO/G/C C/T/04)	I	Definition of Biosphere, Meaning of Ecology, Ecotone, Habitat, Community, Ecological Niche, Bio topics, and Biomes.	Nabin Mandal	15
ENVIRONMENTAL GEOGRAPHY	Core course (GEO/G/C C/T/04)	I	Environmental problems and Management: Air and Water pollution. Environmental Programmes and Policies: MAB.	Daisy Nargis	20
ENVIRONMENTAL GEOGRAPHY	Core course (GEO/G/C C/T/04)	I	Wetlands: Ramsar sites in India. Human-Environment relationship in Mountain and Coastal regions.	Nabin Mandal	10
Field Work	Core course (GEO/G/CC/T/04)	II	Preparation of Survey Schedule or Questionnaire for Air Pollution and Health Perception Survey.	Nabin Mandal	25
Field Work	Core course (GEO/G/CC/T/04)	II	Mapping of Wetlands from Topographical Sheet. Mapping of Forest from Topographical Sheet	Daisy Nargis	35
Field Work	SEC (GEO/G/SEC/P/02/B)	I	Field Work Project	Nabin Mandal	60

Department: Geography
 Curriculum distribution
 Academic session: 2021-2022
 Semester: 5th

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
DISASTER MANAGEMENT	Generic Elective (GEO/G/GE/T/01/A)	I	DEFINITION AND CONCEPTS: HAZARDS, DISASTERS, RISK AND VULNERABILITY, CLASSIFICATION OF HAZARDS	Daisy Nargis	5
DISASTER MANAGEMENT	Generic Elective (GEO/G/GE/T/01/A)	I	DISASTERS IN INDIA: A) FLOOD: CAUSE, IMPACT, DISTRIBUTION AND MAPPING B) LANDSLIDE: CAUSES, IMPACT, DISTRIBUTION AND MAPPING C) DROUGHT: CAUSES, IMPACT, DISTRIBUTION AND MAPPING	Nabin Mandal	20
DISASTER MANAGEMENT	Generic Elective (GEO/G/GE/T/01/A)	I	DISASTERS IN INDIA: D) EARTHQUAKE AND TSUNAMI: CAUSES, IMPACT, DISTRIBUTION AND MAPPING E) CYCLONE: CAUSES, IMPACT, DISTRIBUTION AND MAPPING	Daisy Nargis	15
DISASTER MANAGEMENT	Generic Elective (GEO/G/GE/T/01/A)	I	MANMADE DISASTERS: CAUSES, IMPACT; DISASTER MANAGEMENT DISTRIBUTION AND MAPPING OF SOIL EROSION AND ACCIDENTAL RELEASE OF TOXIC CHEMICALS	Nabin Mandal	10
DISASTER MANAGEMENT	Generic Elective (GEO/G/GE/T/01/A)	I	a) RESPONSES AND MITIGATION TO DISASTERS: INSTITUTIONAL SET UP, NDMA AND NIDM; INDIGENOUS KNOWLEDGE AND COMMUNITY BASED DISASTER MANAGEMENT	Daisy Nargis	8
DISASTER MANAGEMENT	Generic Elective (GEO/G/GE/T/01/A)	I	b) DO'S AND DON'S DURING AND POST DISASTERS	Daisy Nargis	2

Department: Geography
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 Semester: 5th

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
ECONOMIC GEOGRAPHY	DSE (GEO/G/DSE/T/01/B)	I	DEFINITIONS, APPROACHES AND FUNDAMENTAL CONCEPTS OF ECONOMIC GEOGRAPHY; PATTERNS OF DEVELOPMENT	Daisy Nargis	5
ECONOMIC GEOGRAPHY	DSE (GEO/G/DSE/T/01/B)	I	LOCATIONAL THEORIES- AGRICULTURE (VON THUNEN) AND INDUSTRIAL (WEBER)	Nabin Mandal	10
ECONOMIC GEOGRAPHY	DSE (GEO/G/DSE/T/01/B)	I	PRIMARY ACTIVITIES – INTENSIVE SUBSISTENCE FARMING, COMMERCIAL GRAIN FARMING, PLANTATION, COMMERCIAL DAIRY FARMING, COMMERCIAL FISHING .	Nabin Mandal	10
ECONOMIC GEOGRAPHY	DSE (GEO/G/DSE/T/01/B)	I	MINING (IRON ORE, COAL AND PETROLEUM)	Daisy Nargis	5
ECONOMIC GEOGRAPHY	DSE (GEO/G/DSE/T/01/B)	I	SECONDARY ACTIVITIES – COTTON TEXTILE INDUSTRY, PETRO- CHEMICAL INDUSTRY, MAJOR MANUFACTURING REGIONS.	Daisy Nargis	15
ECONOMIC GEOGRAPHY	DSE (GEO/G/DSE/T/01/B)	I	TERTIARY AND QUATERNARY ACTIVITIES – MODES OF TRANSPORTATION, PATTERNS OF INTERNATIONAL TRADE, AND INFORMATION AND COMMUNICATION TECHNOLOGY INDUSTRY	Nabin Mandal	15
FIELD TECHNIQUES AND SURVEY BASED PROJECT REOPRT	GEO/G/SEC/P/03/A	I	FIELD TECHNIQUES AND SURVEY BASED PROJECT REOPRT	Nabin Mandal	60

Department: Geography
 Curriculum distribution
 Academic session: 2021-2022
 Semester: 6th

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
SUSTAINABLE DEVELOPMENT	Generic Elective (GEO/G/GE/T/02)	I	1) Sustainable Development: Historical Background, Definition, Components, Limitations. 2) Sustainable Regional Development: Need and Examples from different Ecosystems.	Nabin Mandal	10
SUSTAINABLE DEVELOPMENT	GEO/G/GE/T/02	I	3) Inclusive Development: Education and Health. 4) Climate Change and Sustainable Development: Policies and Global cooperation	Daisy Nargis	10
SUSTAINABLE DEVELOPMENT	GEO/G/GE/T/02	I	5) Poverty and Disease: Human right to health, Challenges of Universal Health Coverage. 6) Sustainable Development Policies and Programmes: The proposal for SDG at Rio+ 20, Illustrative SDGs, Goal based Development.	Nabin Mandal	15
SUSTAINABLE DEVELOPMENT	GEO/G/GE/T/02	I	7) Sustainable Development: Financial Issues. 8) Good Governance for Sustainable development.	Daisy Nargis	10
SUSTAINABLE DEVELOPMENT	GEO/G/GE/T/02	I	9) National Environmental Policy, Clean Development Mechanism.	Nabin Mandal	10
SUSTAINABLE DEVELOPMENT	GEO/G/GE/T/02	I	10) Sustainable regional resource development and livelihood security.	Daisy Nargis	5

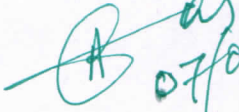
Department: Geography
 Curriculum distribution
 Academic session: 2021-2022
 Semester: 6th

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
DISASTER MANAGEMENT	DSE (GEO/G/DSE/T/02/A)	I	DEFINITION AND CONCEPTS: HAZARDS, DISASTERS, RISK AND VULNERABILITY, CLASSIFICATION OF HAZARDS	Daisy Nargis	5
DISASTER MANAGEMENT	DSE (GEO/G/DSE/T/02/A)	I	DISASTERS IN INDIA: A) FLOOD: CAUSE, IMPACT, DISTRIBUTION AND MAPPING B) LANDSLIDE: CAUSES, IMPACT, DISTRIBUTION AND MAPPING C) DROUGHT: CAUSES, IMPACT, DISTRIBUTION AND MAPPING	Nabin Mandal	20
DISASTER MANAGEMENT	DSE (GEO/G/DSE/T/02/A)	I	DISASTERS IN INDIA: D) EARTHQUAKE AND TSUNAMI: CAUSES, IMPACT, DISTRIBUTION AND MAPPING E) CYCLONE: CAUSES, IMPACT, DISTRIBUTION AND MAPPING	Daisy Nargis	15
DISASTER MANAGEMENT	DSE (GEO/G/DSE/T/02/A)	I	MANMADE DISASTERS: CAUSES, IMPACT; DISASTER MANAGEMENT DISTRIBUTION AND MAPPING OF SOIL EROSION AND ACCIDENTAL RELEASE OF TOXIC CHEMICALS	Nabin Mandal	10
DISASTER MANAGEMENT	DSE (GEO/G/DSE/T/02/A)	I	a) RESPONSES AND MITIGATION TO DISASTERS: INSTITUTIONAL SET UP, NDMA AND NIDM; INDIGENOUS KNOWLEDGE AND COMMUNITY BASED DISASTER MANAGEMENT	Daisy Nargis	8
DISASTER MANAGEMENT	DSE (GEO/G/DSE/T/02/A)	I	b) DO'S AND DON'S DURING AND POST DISASTERS	Daisy Nargis	2

ROCKS AND MINERALS AND THEIR MEGASCOPIIC IDENTIFICATION	GEO/G/SEC/P/0 4/B	I	ROCKS AND MINERALS AND THEIR MEGASCOPIIC IDENTIFICATION (BASALT, GRANITE, MICA, QUARTZ ETC)	Nabin Mandal	60
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Nabin Mandal 12/07/2022

Head of the Department
Head of the Department
Geography
Domkal Girls' College


07/03/24

Principal
Domkal Girls' College
Domkal, Murshidabad

PRINCIPAL
Domkal Girls' College
Domkal, Murshidabad