



Domkal Girls' College
Domkal,
Murshidabad
Curriculum Distribution

Department: Geography
Curriculum Distribution
Academic Session: 2023-2024
Semester: 1

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lectures
GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT I: GEOTECTONICS	1. Earth's tectonic and structural evolution with reference to geological time scale	Daisy Nargis	5
GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT I: GEOTECTONICS	2. Earth's crust and interior: Internal structure with reference to seismological evidences	Nabin Mandal	5
GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT I: GEOTECTONICS	3. Theories of Isostasy: Airy and Pratt	Daisy Nargis	5
GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT I: GEOTECTONICS	4. Continental drift theory: Evidences and criticism; Concept of Sea Floor Spreading and Palaeomagnetism	Daisy Nargis	5
GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT I: GEOTECTONICS	5. Plate Tectonics: Mechanism and resultant landforms; Earthquakes and Vulcanicity	Nabin Mandal	8
GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT I: GEOTECTONICS	6. Folds and Faults: Origin and classification	Nabin Mandal	5
GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT II: GEOMORPHOLOGY	1. Fundamental principles of Geomorphology	Daisy Nargis	5

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GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT II: GEOMORPHOLOGY	2. Degradation processes: Weathering, Mass wasting and resultant landforms	Daisy Nargis	6
GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT II: GEOMORPHOLOGY	3. Theories of landscape evolution: Davis, Penck and Hack	Nabin Mandal	6
GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT II: GEOMORPHOLOGY	4. Slope development: Theories of King and Wood	Daisy Nargis	5
GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT II: GEOMORPHOLOGY	5. Development of river network and landforms on uniclinal and folded structures	Nabin Mandal	5
GEOTECTONICS AND GEOMORPHOLOGY	Major (GEOG-M-T-1)	UNIT II: GEOMORPHOLOGY	6. Processes and landforms: Fluvial, Glacial, Aeolian and Coastal	Daisy Nargis & Nabin Mandal	12

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Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lectures
Basics of Computer and Computer Applications	SEC (GEOG-SEC-P-1)	1	1. Basics of computer and its operation 2. Numbering Systems - Binary Arithmetic 3. Preparation of Annotated diagrams and its interpretation: Line graph, Bar and Pie diagrams, Histogram and Scatter diagrams 4. Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Coefficient of Variation, Regression 5. Internet Surfing: Generation and Extraction of Information	Nabin Mandal	36

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Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lectures
PHYSICAL GEOGRAPHY	Minor (GEOG-MIT-1)	I	1. Internal structure of the earth 2. Continental drift theory: Mechanism, evidences and criticisms	Daisy Nargis	6
PHYSICAL GEOGRAPHY	Minor (GEOG-MIT-1)	I	3. Plate tectonics: Mechanism and resultant landforms 4. Geomorphic process: Weathering	Nabin Mandal	6
PHYSICAL GEOGRAPHY	Minor (GEOG-MIT-1)	I	5. Processes and landforms: Fluvial, Glacial, Aeolian and Coastal	Daisy Nargis & Nabin Mandal	12
PHYSICAL GEOGRAPHY	Minor (GEOG-MIT-1)	I	6. Composition and structure of the atmosphere 7. Insolation, Heat budget, Horizontal and vertical distribution of temperature	Daisy Nargis	10
PHYSICAL GEOGRAPHY	Minor (GEOG-MIT-1)	I	8. Hydrological cycle 9. Definition of soil, concept of soil profile and soil forming factors;	Daisy Nargis	6
PHYSICAL GEOGRAPHY	Minor (GEOG-MIT-1)	I	10. Types of soil: Zonal, Azonal and Intrazonal 11. Concept of ecology and ecosystem; Biome: Tropical rain forest and Taiga	Nabin Mandal	8

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 Semester: 2nd

Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lectures
POPULATION AND SETTLEMENT GEOGRAPHY	Major (GEOG-M-T-2)	UNIT I: POPULATION GEOGRAPHY	1. Development of Population Geography; Relation between Population Geography and Demography	Daisy Nargis	5
POPULATION AND SETTLEMENT GEOGRAPHY	Major (GEOG-M-T-2)	UNIT I: POPULATION GEOGRAPHY	2. Determinants of Population Dynamics: Fertility, Mortality and Migration	Nabin Mandal	10
POPULATION AND SETTLEMENT GEOGRAPHY	Major (GEOG-M-T-2)	UNIT I: POPULATION GEOGRAPHY	3. Population Composition (Age-Sex and Occupational Structure)	Daisy Nargis	5
POPULATION AND SETTLEMENT GEOGRAPHY	Major (GEOG-M-T-2)	UNIT I: POPULATION GEOGRAPHY	4. Theories of population growth: Malthus and Marx;	Nabin Mandal	5
POPULATION AND SETTLEMENT GEOGRAPHY	Major (GEOG-M-T-2)	UNIT I: POPULATION GEOGRAPHY	5. Demographic Transition Theory(Thompson and Notestein)	Daisy Nargis	5
POPULATION AND SETTLEMENT GEOGRAPHY	Major (GEOG-M-T-2)	UNIT I: POPULATION GEOGRAPHY	6. Migration: types, causes and theories	Nabin Mandal	7
POPULATION AND SETTLEMENT GEOGRAPHY	Major (GEOG-M-T-2)	UNIT I: POPULATION GEOGRAPHY	7. Population Policies (India and Sweden)	Daisy Nargis	3

POPULATION AND SETTLEMENT GEOGRAPHY	Major (GEOG-M-T-2)	UNIT II: SETTLEMENT GEOGRAPHY	<ol style="list-style-type: none"> 1. Development of Settlement Geography 2. Rural settlement: Site, situation, types and pattern 3. Morphology of rural settlements: layout-internal and external Theory and hierarchy of settlements 	Daisy Nargis	15
POPULATION AND SETTLEMENT GEOGRAPHY	Major (GEOG-M-T-2)	UNIT II: SETTLEMENT GEOGRAPHY	<ol style="list-style-type: none"> 4. Urban settlements: Census definition, Urban agglomeration; Urban sprawl, Rural-urban continuum, Rurban and Periurban 5. Urban morphology: Classical Models of Burgess, Hoyt, Harris and Ullman 6. Central Place 	Nabin Mandal	17

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Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lectures
FIELD WORK	SEC (GEOG-SEC-P-2)	I	Students are required to carry out a comprehensive field work in a village/mouza/town/C.D. Block/ drainage basin selecting a particular research problem. There should be a clear-cut title, problem statement, objectives, methodology and major findings. The text of the report should not exceed 5000 words and 15-20 pages of illustrations (A4 Pages). The diagrams and illustrations should be prepared in computer using the standard format	Nabin Mandal	36

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Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lectures
DISASTER MANAGEMENT	Multidisciplinary Course (GEOG-MU-T-1)	I	1. Definition and Concepts: Hazards, Disasters; Risk and Vulnerability; Classification of hazards 2. Flood, drought, landslide: causes, impact and distribution in India 3. Earthquake: causes, effects and seismic zones of India; Tsunami: causes and effects 4. Tropical Cyclone: structure, formation and impact with reference to India	Nabin Mandal	24
DISASTER MANAGEMENT	Multidisciplinary Course (GEOG-MU-T-1)	I	5. Manmade disasters in India: soil erosion and accidental release of toxic chemicals – causes and impact 6. Disasters - response and mitigation measures: Institutional set up - NDMA and NIDM; Indigenous knowledge and community-based Disaster Management; Do's and Don'ts during and post disasters	Daisy Nargis	12

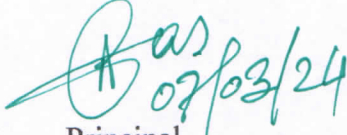
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Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
HUMAN GEOGRAPHY	Minor (GEOG-MI-T-2)	I	1. Distribution and growth of population in India 2. Demographic Transition Theory 3. Migration: Concept, types and causes 4. Economic activities: Primary, Secondary and Tertiary 5. Types and patterns of rural settlements	Daisy Nargis	24
HUMAN GEOGRAPHY	Minor (GEOG-MI-T-2)	I	6. Urban settlement: Census definition and characteristics 7. Functional classification of towns 8. Major ethnic groups in India: Santhal, Gond, Toda and Khasi 9. Concept of culture, Cultural hearths and Cultural diffusion Human Development Index	Nabin Mandal	24

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Title of the Paper	Courses	Unit	Contents	Name of Faculty Members	Number of Lecture
RURAL DEVELOPMENT	Multidisciplinary Course (GEOG-MU-T-2)		1. Concept and scope of rural development; Need for Rural Development; Gandhian Approach of Rural Development; Inter-Dependence of Urban and Rural Sectors of the Economy 2. Rural Economic Base: Panchayatiraj System, Agriculture and allied activities, Seasonal nature of Indian agriculture; need for expanding non-farm activities; Role of Co-operatives; PURA 3. Area based approach to rural development: Drought Prone Area Programmes, PMGSY	Daisy Nargis	18
RURAL DEVELOPMENT	Multidisciplinary Course (GEOG-MU-T-2)		4. Target Group Approach to rural development: SGSY, MGNREG and PMJDY 5. Provision of Services – physical and socio-economic access to elementary education, primary health care and micro credit 6. NRHM and NRLM: objectives and approach	Nabin Mandal	18

Nabin Mandal 19/02/2024
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