Department of Geography

Lesson plan- 2016-17 (Even Semester)

Geomorphology, GEOG-201- Theory

Class- M. Sc. I, Semester-2

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| Month/Year | Topic to be covered |
| Jan 2017 | Introduction to geomorphology as a science: definition, nature, scope and recent developments2. Fundamental concepts:-Geological structure and landforms-Uniformitarianism-Multicycle and polygenetic evolution of landscape-Frequency concept of geomorphic processes-Climatogenetic geomorphology |
| Feb, 2017 | Continental drift theory and its basic considerations; Plate tectonics-meaning and concept, margins and boundaries, plate motion and cycle; Tectonic activities along boundaries and distribution of platesHill slope-definition and forms of slope, geomorphic processes and slope forms, slope evolution: down wearing, parallel retreat and slope replacement models |
| March 2017 | Weathering: Causes; types of weathering: Physical, chemical and biologicalMass movement, causes, classifications and types of mass movements- slow and rapid mass movementsGeomorphic processes and resulting land forms:-Fluvial, Glacial, Aeolian and Karst |
| April/May, 2017 | Applied geomorphology: Meaning and concept, role of geomorphology in environmental management of the following:-Accelerated erosion and sedimentation-Construction of large dams-Urban geomorphologyRevision |

Note: Assignments, tests, and extracurricular activities will be conducted

Name and Signature of the Teacher

Department of Geography

Lesson plan- 2016-17 (Even Semester)

Population Geography, GEOG-202- Theory

Class- M. Sc. I, Semester-2

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| Month/Year | Topic to be covered |
| Jan 2017 | Nature and scope of population geography.Methodological problems in population geography.Sources of population data, quality and reliability of data, problems of mapping population data |
| Feb, 2017 | Concepts, determinants and world patterns of the following attributes of population:-Distribution and density-Vital rates: birth and death rates-Migration (including laws of migration)-Growth- Age and Sex Composition-Occupation-Literacy |
| March 2017 | Demographic Transition ModelPopulation Resource RegionsTheories of population: -Malthus, -Ricardo -Marx |
| April/May, 2017 | Population policy of IndiaComparative study of population problems and policies of developed and less developed countriesPopulation and Environment: Implications for the futureRevision |

Note: Assignments, tests, and extracurricular activities will be conducted

Name and Signature of the Teacher

Department of Geography

Lesson plan- 2016-17 (Even Semester)

Regional Development and Planning (with Special Reference to India), GEOG-203 Theory

Class- M. Sc. I, Semester-2

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| Month/Year | Topic to be covered |
| Jan 2017 | Regional Development: Concept of Space and Region, Typology of Regions, PlanningRegions; planning regions of India and their characteristics |
| Feb, 2017 | Theories of Regional DevelopmentTheory of Polarized Development, -F. Perroux Model, -Hirschman Theory, -Myrdal Theory; - J. Friedman,Ecological Theory of Sustainable Development |
| March 2017 | Development and Regional Disparities in India since Independence-Disparities in Agricultural Development-Disparities in Industrial Development.-Disparities in Human Resource Development in terms of education and health |
| April/May, 2017 | Approaches to regional planning in IndiaPlanning in India through Five Year Plans; Special Area Development PlansMetropolitan Planning; Regional Problems and Prospects in India.Revision |

Note: Assignments, tests, and extracurricular activities will be conducted

Name and Signature of the Teacher

Department of Geography

Lesson plan- 2016-17 (Even Semester)

Agricultural Geography, GEOG-204 Theory

Class- M. Sc. I, Semester-2

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| Month/Year | Topic to be covered |
| Jan 2017 | Nature, scope and significance of agricultural geographyOrigin and dispersal of agricultureDeterminants of agricultural patterns: -physical, -technological and -cultural factors |
| Feb, 2017 | Concepts of land capability survey, land use and Cropping pattern.Approaches in agricultural regionalization: -Von Thunen Model of agricultural land use, Crop combination, concentration and diversificationAgro-climatic Zonation : Concept and Indian experience. |
| March 2017 | Development and Regional Disparities in India since Independence-Disparities in Agricultural Development-Disparities in Industrial Development-Disparities in Human Resource Development in terms of education and health |
| April/May, 2017 | Food production and security in India.Neo-liberalization and Indian agriculture.Agriculture and climate change: Impacts and adaptationRevision |

Note: Assignments, tests, and extracurricular activities will be conducted

Name and Signature of the Teacher

Department of Geography

Lesson plan- 2016-17 (Even Semester)

Interpretation of Toposheets and Morphometric Analysis (Practical), GEOG-205

Class- M. Sc. I, Semester-2

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| Month/Year | Topic to be covered |
| Jan 2017 | Interpretation of Toposheets-Physical features and -Cultural features.Profile Analysis: Transverse and Longitudinal-Serial Profiles-Superimposed Profiles-Composite Profiles-Projected Profiles-Longitudinal or valley Thalweg Profile. |
| Feb, 2017 | Profile Analysis-Projected Profiles-Longitudinal or valley Thalweg Profile.Linear Aspects of streams -Relationship between stream order and stream Number-Relationship between stream order and Average stream lengthAreal Aspects of streams-Drainage Frequency-Drainage Texture/Density |
| March 2017 | Relief Aspect of Streams-Area Height Curve-Altimetric frequency curve-Hypsographic Curve-Hypsometric Integral Curve-Clinographic or clinometric curve |
| April/May, 2017 | Slope Analysis-Wentworth’s Method of Average Slope-G. H. Smith’s Method of Relative Relief.Revision |

Note: Assignments, tests, and extracurricular activities will be conducted

Name and Signature of the Teacher