Department of Geography

Lesson plan- 2022-23 (Even Semester)

Paper 103 Physical Geography –I (Theory)

Class- B.A.I, Semester-2

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| Month/Year | Topics to be covered | Co-curricular activities |
| February, 2023 | Definition, Nature, scope and fields of Physical GeographyInterior of the earth,Geological time scale  | *Assignments*  *tests* *Topical presentations**Geographical demonstrations**etc* |
| March, 2023 | Rocks- types, distribution and importanceEarth movements; organic, eperogenic, Earth quakes and volcanoes.Theory of Isostasy ; Wegner’s theory of continental drift Plate tectonic theory. |
| April, 2023 | Weathering; causes and its types.6. Mass-movements; causes, its types and impacts.Concept of cycle of erosion; cycle of erosion by W.M.Davis, |
| May, 2023 | Concept of cycle of erosion; cycle of erosion Penck and KingProcess of Wind, River, Underground water, Glaciers and Sea waves.Revision |

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Department of Geography

Lesson plan- 2022-23 (Even Semester)

Paper 104 Representation of Physical Features (Practical)

Class- B.A.I, Semester-2

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| Month/Year | Topic to be covered | Co-curricular activities |
| February, 2023 | Introduction to Topographical SheetsIndia and adjacent countries**-**Degree Sheet**-**Half Degree Sheet**-**Quarter Degree Sheet**-**Conventional SignsPractice and revision | *Geographical demonstrations* |
| March, 2023 | Methods of representing reliefRepresentation of Topographical features by contoursSlopes (Concave, convex, undulating and terraced)Valleys (V Shaped, U shaped, Gorge, Re-entrant)Practice and revision |
| April, 2023 | Ridges (Conical hill, Volcanic hill, Plateau, Escarpment)Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast)Drawing of ProfilesPractice and revision |
| May, 2023 | Drawing of Profiles-Cross Profiles:-Serial, superimposed, projected and composite profiles-Longitudinal profiles Practice and revision |

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Lesson plan- 2022-23 (Even Semester)

Paper 203 Human Geography (Theory)

Class- B.A.II, Semester-4

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| Month/Year | Topics to be covered | Co-curricular activities |
| February, 2023 | Nature and scope of Human Geography, Branches of Human Geography, Approaches to the study of Human GeographyDivision of Mankind: Spatial distribution of race and tribes of India; Concept of men environment relation: A historical approach. | Assignments  tests Topical presentationsGeographical demonstrationsetc |
| March, 2023 | Human adaptation to the environment -Cold region – Eskimo -Hot region- Bushman-Plateau – Gonds-Mountains – GujjarsMeaning, nature and components of resourcesClassification of resources – renewal and non- renewable ; biotic and aboitic, Recyclable and non recyclable.Distribution, utilization and conservation of biotic (flora and fauna) and aboitic (water, minerals and energy) resources. |
| April, 2023 | Distribution and density of world population, Population growth, fertility and mortality patterns.Concept of over, under and optimum population; Population theories: Malthus, Ricardo and Marx. Rural settlements: Meaning, classification and types.  |
| May, 2023 | Urban settlements: Origin, classification and functions of townsPopulation pressure, resource use and environment degradationsustainable development, Concept of deforestation, soil erosion, air and water pollution.Revision, discussion, assignments & tests |

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Department of Geography

Lesson plan- 2022-23 (Even Semester)

Paper 204 Maps Projections (Practical)

Class- B.A.II, Semester-4

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| Month/Year | Topic to be covered | Co-curricular activities |
| February, 2023 | Introduction to Map Projection: Meaning, Classification and importance; Characteristics of latitudes and longitudes linesPractice and revision | *Geographical demonstrations* |
| March, 2023 | Cylindrical projections: Characteristics, applications and drawing -Simple cylindrical projection-Cylindrical equal area projection.-True shape or orthomorphic or Mercator’s ProjectionConical Projections: Characteristics, applications and drawing-Simple conical projections with one standard parallel-Simple conical projection with two standard parallel-Bonne’s Projection-Polyconic projectionPractice and revision |
| April, 2023 | Conical Projections: Characteristics, applications and drawing -International Map ProjectionZenithal Projections: Characteristics, applications and drawing-Polar Zenithal Equidistant Projection.-Polar Zenithal Equal Area Projection-Polar Zenithal Gnomonic Projection-Polar Zenithal Stereographic Projection.-Polar Zenithal Orthographic ProjectionPractice and revision |
| May, 2023 | Characteristics, applications and drawings of - Sinosoidal Projection-Mollweide ProjectionPlane Table Survey- Meaning, Methods and constructionRevision, discussion & practice |

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Department of Geography

Lesson plan- 2022-23 (Even Semester)

Paper-303-Introduction to Remote Sensing, GIS & Quantitative Methods (Theory)

Class- B.A.III, Semester-6

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| Month/Year | Topics to be covered | Co-curricular activities |
| February, 2023 | Introduction to Aerial Photographs: their advantages and typesElements of aerial Photo interpretation | *Assignments*  *tests* *Topical presentations**Geographical demonstrations**etc* |
| March, 2023 | Introduction to Remote Sensing Electromagnetic spectrum stages in remote sensing type of satellitesTypes of Imageries and their application in various fields such as agriculture, environment and resource mapping |
| April, 2023 | Introduction to Geographical Information System: -Definition, purpose, advantages -software and hardware requirementsApplication of GIS in various fields of geography |
| May, 2023 | Measure of Central Tendency: Mean, Median and ModeMeasure of Dispersion: Range, Quartile deviation and Mean deviation, Standard deviation, Coefficient of variationRevision |

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Department of Geography

Lesson plan- 2022-23 (Even Semester)

Paper 304 – Introduction to Remote Sensing and Field Survey Report

(Practical)

Class- B.A.III, Semester-6

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| Month/Year | Topics to be covered | Co-curricular activities |
| February, 2023 | Aerial Photographs- -Demarcation of Principal Point-Conjugate Principal point -Flight line Practice and revision | *Geographical demonstrations* |
| March, 2023 | Determination of Scale of Aerial PhotographsInterpretation of Single Vertical PhotographsPractice and revision |
| April, 2023 | Use of Stereoscope and Identification of Features Identification of Features on IRSID, LISS III imagery (Mark copy of FCC) Practice and revision |
| May, 2023 | Organize and conduct of Socio-economic Survey and Report Writing Practice and revision |

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