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 Geography  Interior of the earth,  Geological time scale | *Assignments*  *tests*  *Topical presentations*  *Geographical demonstrations*  *etc* |
| March, 2023 | Rocks- types, distribution and importance  Earth 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 King  Process 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 Sheets  India and adjacent countries  **-**Degree Sheet  **-**Half Degree Sheet  **-**Quarter Degree Sheet  **-**Conventional Signs  Practice and revision | *Geographical demonstrations* |
| March, 2023 | Methods of representing relief  Representation of Topographical features by contours  Slopes (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 Profiles  Practice 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 Geography  Division of Mankind: Spatial distribution of race and tribes of India;  Concept of men environment relation: A historical approach. | Assignments  tests  Topical presentations  Geographical demonstrations  etc |
| March, 2023 | Human adaptation to the environment  -Cold region – Eskimo  -Hot region- Bushman  -Plateau – Gonds  -Mountains – Gujjars  Meaning, nature and components of resources  Classification 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 towns  Population pressure,  resource use and environment degradation  sustainable 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 lines  Practice 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 Projection  Conical Projections: Characteristics, applications and drawing  -Simple conical projections with one standard parallel  -Simple conical projection with two standard parallel  -Bonne’s Projection  -Polyconic projection  Practice and revision |
| April, 2023 | Conical Projections: Characteristics, applications and drawing  -International Map Projection  Zenithal 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 Projection  Practice and revision |
| May, 2023 | Characteristics, applications and drawings of  - Sinosoidal Projection  -Mollweide Projection  Plane Table Survey- Meaning, Methods and construction  Revision, 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 types  Elements 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 satellites  Types 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 requirements  Application of GIS in various fields of geography |
| May, 2023 | Measure of Central Tendency: Mean, Median and Mode  Measure of Dispersion: Range, Quartile deviation and Mean deviation, Standard deviation, Coefficient of variation  Revision |

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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 Photographs  Interpretation of Single Vertical Photographs  Practice 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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