**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 |  **Punam** | 103 Physical Geography I | Theory |  |  |
|  | B.A. Pass Course. Sem. 2 | Feb 4th & 5th Week |  Definition, Nature, scope and fields of Physical Geography, Interior of the earth, Geological time scale and rocks. | Discussion and Explanation through PPT |  |
| March Ist & 2nd Week |  Earth movements; organic, eperogenic, earth quakes and volcanoes , Theory of Isostasy ; Wegner’s theory of continental drift and Plate tectonic theory |
|  |  | March 3rd, 4th & 5th Week | Weathering; causes and its types.Mass-movements; causes, its types and impacts |  | Test |
|  |  | April(1st & 2nd Week) | Concept of cycle of erosion; cycle of erosion by W.M.Davis, Penck and King | PPT | Assignment 2 |
|  |  | April(3rd & 4th Week) | Process of Wind, River, Underground water,  |  |  |
|  |  | May(1st & 2nd Week) |  Process of Glaciers and Sea waves |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 |  **Punam** | 104 Physical Geography I | Theory |  |  |
|  | B.A. Pass Course. Sem. 2 | Feb 4th & 5th Week | Introduction to Topographical Sheets , India and adjacent countries . Degree Sheet . Half Degree Sheet . Quarter Degree Sheet . | Discussion and Explanation through PPT |  |
| March Ist & 2nd Week |  Conventional Signs , Methods of representing relief , Representation of Topographical features by contours |
|  |  | March 3rd, 4th & 5th Week | Slopes (Concave, convex, undulating and terraced) Valleys (V Shaped, U shaped, Gorge, Re-entrant) Ridges (Conical hill, Volcanic hill, Plateau, Escarpment) |  | Test |
|  |  | April(1st & 2nd Week) |  Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast) | PPT | Assignment 2 |
|  |  | April(3rd & 4th Week) |  Drawing of Profiles (a) Cross Profiles: Serial, superimposed, projected and composite profiles. (b) Longitudinal profiles |  |  |
|  |  | May(1st & 2nd Week) | Revision of Whole Syllabus |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 |  **Punam** | **Statistical Methods in Geography(601)** | Theory |  |  |
|  | B.A. Honours. Sem. 6 | Feb 4th & 5th Week |  Type of data and descriptive Statistics: visual descriptive methods such as histograms, ogives. | Discussion and Explanation through PPT |  |
| March Ist & 2nd Week | Numerical descriptive Statics: measure of Central Tendency and partition values. |
|  |  | March 3rd, 4th & 5th Week | Measure of dispersion: Quartile deviation, Mean deviation, Standard deviation , Measure of Inequality: Lorenz Curve |  | Test |
|  |  | April(1st & 2nd Week) | Continuous Probability Distributions and Models , Properties of Normal Distribution | PPT | Assignment 2 |
|  |  | April(3rd & 4th Week) | Inferential Statistics: confidence Intervals and Hypothesis Testing |  |  |
|  |  | May(1st & 2nd Week) | Sampling its type and its application in Geographical Studies. |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2022-23 Semester Even For The Month of Feb to May 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Mr Varun kumar** | **Paper 203 Human Geography** | Nature and scope of Human Geography, Branches of Human Geography, Approaches to the study of Human Geography. |  |  |
| Feb(4th 5th Week) |
|  | B.A. Pass Course. Sem. 4 | March(1st and 2nd Week) | Division of Mankind: Spatial distribution of race and tribes of India; concept of men- environment relation: A historical approach |  | Nature and scope of Human Geography, Branches of Human Geography, |
|  |  | March(3rd ,4th  5th Week) | Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman (iii) Plateau – Gonds (iv) Mountains – Gujjars |  | Distribution and density of world population Population theories: Malthus, Ricardo and Marx. |
| April(1st and 2nd Week) | 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(3rd and 4th Week) | Distribution and density of world population, population growth, fertility and mortality patterns. 6. Concept of over, under and optimum population; Population theories: Malthus, Ricardo and Marx. |  |  Test |
| May(1st Week) | Rural settlements: Meaning, classification and types. Urban settlements: Origin, classification and functions of towns. |
|  |  | May( 2nd Week) | Population pressure, resource use and environment degradation; sustainable development, concept of deforestation, soil erosion, air and water pollution |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2022 -23 Semester Even For the Month of Feb to May 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given  |
| 1 |  **Mr Varun kumar** | Paper 602 Regional Development and Planning  |  |  |  |
|  | B.A. Hons. Sem. 6 | Feb(4th 5th Week) | 1.Concept of Region, types of Regions2. Methods of Regionalization |  |  Theories of Regional Development: Hirschman and Myrdal’s Theory. |
|  |  | March(1st and 2nd Week) | 3. Theories of Regional Development: Hirschman and Myrdal’s Theory. |
|  | March(3rd, 4th  5th Week) | 4. Regional Imbalances in development in India with spatial reference of human and Economic development. |  |  |
| April(1st and 2nd Week) | 5.Concept of Planning: Spatial and Sectoral, |
|  |  | April(3rd and 4th Week) | 6.Regional and National, Micro and Macro. |  | Features of Various Five years Plans in India. |
|  | 7.Environmental Issues in Regional Planning: Planning for Sustainable Development. |
|  |  | May(1st Week) | 8.Features of Various Five years Plans in India. |  | Test |
| May( 2nd Week) | 9.Urban Planning in India with spatial reference to National Capital Region. |

 **SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2022 -23 Semester Even For the Month of Feb to May 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Sh. Varun kumar** | **Map Projection Practical** | Practical |  |  |
|  | B.A. Sem. 2 |  Feb | . Introduction to Map Projection: Meaning, Classification and importance; Characteristics of latitudes and longitudes lines |  |  |
|  |  | March | (i) Simple cylindrical projection (ii) Cylindrical equal area projection. (iii) True shape or orthomorphic or Mercator’s Projection.  |  |  |
|  |  | Conical Projections: Characteristics, applications and drawing. (i) Simple conical projections with one standard parallel (ii) Simple conical projection with two standard parallel (iii) Bonne’s Projection (iv) Polyconic projection. (v) International Map Projection. |  |  |
|  |  | April |  Zenithal Projections: Characteristics, applications and drawing. (5) (i) Polar Zenithal Equidistant Projection. (ii) Polar Zenithal Equal Area Projection (iii) Polar Zenithal Gnomonic Projection (iv) Polar Zenithal Stereographic Projection. (v) Polar Zenitha Orthographic Projection , Characteristics, applications and drawings  |  |  |
|  |  |  |  |
|  |  | May |  (i) Sinosoidal (2) (ii) Mollweide Projections. Plane Table Survey |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 |  **Vikram Singh** | Climatology (304) | Theory |  |  |
|  | B.A. Hons. Sem. 2 | Feb 4th & 5th Week |  Atmosphere composition and structure | Discussion and Explanation through PPT |  |
| March Ist & 2nd Week | Insolation and Temperature: Factors and distribution, Atmospheric Pressure: Measurement, horizontal and vertical distribution. |
|  |  | March 3rd, 4th & 5th Week |  Atmospheric circulation: Planetary wind systems , jet streams, monsoons, El Nino and southern oscillations. |  | Test |
|  |  | April(1st & 2nd Week) | Atmospheric Moisture: Humidity, evaporation, condensation ,Precipitation-types and distribution.. | PPT | Assignment 2 |
|  |  | April(3rd & 4th Week) | Cyclones: Tropical and extra tropical,air masses and fronts.Climatic Classifications: Koeppen and Thornthwaite Systems of classification |  |  |
|  |  | May(1st & 2nd Week) | Climate Change: Past climates-evidences Theories of climate change and global warming. |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Vikram Singh** | **Agriculture Geography (202)** |   |  |  |
|  | B.A. Hons. Sem. 2 | Feb 4th & 5th Week | Definition, nature and scope of agricultural geography; its relation with agricultural economics.Various approaches to the study of agricultural geography with special reference to commodity,systematic and regional approaches. |  |  Assignment 1st |
|  |  | March Ist & 2nd Week |  Physical factors as determinants of land use and cropping pattern. Technological and institutional factors as determinants of agricultural pattern.  |  |  Test |
| ‘ |  | March 3rd, 4th & 5th Week | Significance of surveys in agricultural geography-land use and land capability surveys. |  |  Assignment 2nd |
|  |  | April(1st & 2nd Week | Von Thunen Model of agricultural land use.Basis of regionalization of agriculture- crop combinations, concentration and diversificationindices. |  |  |
| April(3rd & 4th Week) |  World agricultural regions-Whitlesey’s Criteria of classification of agricultural systems. |
|  |  | May(1st & 2nd Week) | Green revolution in India – its impacts and consequences. |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Vikram Singh** | **Map Projection ( 203 A+ B )** |  Theory + Practical |  |   |
|  | B.A. Hons. Sem. 2 | Feb 4th & 5th Week | Introduction to Map Projection: Meaning, Classification and importance; Characteristics of latitudes and longitudes lines |  |  Assignment 1stMap Projection: Meaning, Classification and importance |
|  |  | March Ist & 2nd Week | Cylindrical projections: Characteristics, applications and drawing , Simple cylindrical projection (ii) Cylindrical equal area projection. (iii) True shape or orthomorphic or Mercator’s Projection.  |  |  Test |
| ‘ |  | March 3rd, 4th & 5th Week | Conical Projections: Characteristics, applications and drawing. (i) Simple conical projections with one standard parallel (ii) Simple conical projection with two standard parallel (iii) Bonne’s Projection (iv) Polyconic projection.  |  |  Assignment 2ndProperties of Map Projections |
|  |  | April(1st & 2nd Week | Zenithal Projections: Characteristics, applications and drawing. (5) (i) Polar Zenithal Equidistant Projection. (ii) Polar Zenithal Equal Area Projection (iii) Polar Zenithal Gnomonic Projection (iv) Polar Zenithal Stereographic Projection. (v) Polar Zenithal Orthographic Projection |  |  |
| April(3rd & 4th Week) | Characteristics, applications and drawings of (i) Sinosoidal and (2) (ii) Mollweide Projections. |
|  |  | May(1st & 2nd Week) | Revision of Whole Syllabus |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Vikram Singh** | **Morphometric Analysis ( 403A+ B)** |  Theory + Practical |  |   |
|  | B.A. Hons. Sem. 2 | Feb 4th & 5th Week | . Methods of relief representation:(i) Hachure (ii) Hill Shading Methods of relief representation: (iii)Morphographic Method(iv) Spot Height (v) Bench Mark (vi) Form Lines(vii)Contours |  |  Assignment 1stMap Projection: Meaning, Classification and importance |
|  |  | March Ist & 2nd Week | . Representation of topographic features by contours(i) Conical hill (ii) Plateau (iii) Convex slope(iv) Concave Slope |  |  Test |
| ‘ |  | March 3rd, 4th & 5th Week | Representation of topographic features by contours (v) Escarpment (vi) Cliff (vii) Valley (viii) Water Fall(ix) Gorge (x) U-shaped valley |  |  Assignment 2ndProperties of Map Projections |
|  |  | April(1st & 2nd Week | . Profiles: Serial, Superimposed, Projected, Composite, Longitudinal |  |  |
| April(3rd & 4th Week) | Delineation of drainage basin, Basin parameters: stream number and order, drainage density and frequency. |
|  |  | May(1st & 2nd Week) | Revision of Whole Syllabus |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2022-23 Semester Even For The Month of Feb to May 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Mr Ravi Kumar** | **Paper 203 Human Geography** | Nature and scope of Human Geography, Branches of Human Geography, Approaches to the study of Human Geography. |  |  |
| Feb(4th 5th Week) |
|  | B.A. Pass Course. Sem. 4 | March(1st and 2nd Week) | Division of Mankind: Spatial distribution of race and tribes of India; concept of men- environment relation: A historical approach |  | Assignment-1 |
|  |  | March(3rd ,4th  5th Week) | Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman (iii) Plateau – Gonds (iv) Mountains – Gujjars |  | Assignment-11 |
| April(1st and 2nd Week) | 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(3rd and 4th Week) | Distribution and density of world population, population growth, fertility and mortality patterns. 6. Concept of over, under and optimum population; Population theories: Malthus, Ricardo and Marx. |  |  Test |
| May(1st Week) | Rural settlements: Meaning, classification and types. Urban settlements: Origin, classification and functions of towns. |
|  |  | May( 2nd Week) | Population pressure, resource use and environment degradation; sustainable development, concept of deforestation, soil erosion, air and water pollution |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2022 -23 Semester Even For the Month of Feb to May 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given  |
| 1 |  **Mr Ravi Kumar** |  | **Paper 604 GEOGRAPHY OF SETTLEMENT** |  |  |
|  | B.A. Hons. Sem. 6 | Feb(4th 5th Week) |  Introduction: Nature and Scope of settlement geography |  | Assignment-1 |
|  |  | March(1st and 2nd Week) | . Basic Concepts: Rural and Urban Settlements, Hamlet, Village, Town, City, Metropolis, Megalopolis, Conurbation, and Rural-Urban Fringe. |
|  | March(3rd, 4th  5th Week) | Histogenesis of rural settlements: historical development, distribution of rural settlements. Size and spacing of rural settlements in India. |  | Test |
| April(1st and 2nd Week) | Rural Settlements: Types, Patterns and Determinants. Functional classification of rural settlements |
|  |  | April(3rd and 4th Week) | Regional Settlement Hierarchy: Central Place Theory, Rank-Size Rule, Primate City |  | Assignment-11 |
|  |  | May(1st Week) |  Urban Land use Models; Concentric zone model, sector model and multiple nuclei mode Urban problems: housing, poverty, water supply and sanitation , |  |  |
| May( 2nd Week) | Planned Cities: A Case Study of Chandigarh – Site and Situation, Layout and Landuse, Services and Infrastructure, Problems |

 **SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2022 -23 Semester Even For the Month of Feb to May 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Mr Ravi Kumar** | **Map Projection Practical** | Practical |  |  |
|  | B.A. Sem. 2 |  Feb | Introduction to Map Projection: Meaning, Classification and importance; Characteristics of latitudes and longitudes lines |  |  |
|  |  | March | (i) Simple cylindrical projection (ii) Cylindrical equal area projection. (iii) True shape or orthomorphic or Mercator’s Projection.  |  |  |
|  |  |  Conical Projections: Characteristics, applications and drawing. (i) Simple conical projections with one standard parallel (ii) Simple conical projection with two standard parallel (iii) Bonne’s Projection (iv) Polyconic projection. (v) International Map Projection. |  |  |
|  |  | April |  Zenithal Projections: Characteristics, applications and drawing. (5) (i) Polar Zenithal Equidistant Projection. (ii) Polar Zenithal Equal Area Projection (iii) Polar Zenithal Gnomonic Projection (iv) Polar Zenithal Stereographic Projection. (v) Polar Zenithal Orthographic ProjectionCharacteristics, applications and drawings  |  |  |
|  |  |
|  |  | May |  (i) Sinosoidal (2) (ii) Mollweide Projections. Plane Table Survey  |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Reena** |  | Remote Sensing, GIS and Quantative Methods |  |  |
|  | B.A. Pass Course. Sem.6 | Feb 4th & 5th Week | Introduction to Aerial Photograph :-(Generalities,Definition and History of Aerial Photograph , Bases of Aerial Photograph, Classification of Aerial Photograph, Identification of Aerial Photograph,Aerial camera and its types, Season and time of photography, Planning and execution of photographic flights, Completion of photographic task, Advantages of Aerial Photography, Application of Aerial Photography) Elements of Aerial Photograph Introduction, Image Interpretation, Bases principal of aerial photograph, Factor governing the quality of an image, Elements of image interpretation, | Discussion and Explanation through PPT |  |
| March Ist & 2nd Week | : Introduction to Remote Sensing General Introduction, Meaning of Remote Sensing, Process of Remote Sensing , Stages of Remote Sensing, Electromagnetic Spectrum , Satellites and its historical development , Types of Imageries and their applicationApplication of imageries in agriculture, Environment, Resource Mapping |
|  |  | March 3rd, 4th & 5th Week |  Introduction of GIS : General introduction, Meaning and Concept of GIS, History of GIS, Definition of GIS,Purposes of GIS, Elements of GIS, Data Model, Data structure, Error in GIS, Advantages of GIS, Hardware’ Components of Hardware, Software and GIS ,Application of GIS in various fields of Geography , Application,Agriculture development and land evolution, , Change detection of vegetation area, Analysis and monitoring of vegetation health, Analysis of deforestation, Waste land mapping, Soil resource mapping, Groundwater potential mapping, Geological and mineral exploration, Snow melt runoff forecasting, Forest fire monitoring and ocean productivity |  | Test |
|  |  | April(1st & 2nd Week) | Measure of Central TendencyConcept of Central Tendency, Definition of average(Mean), Calculation of mean in individual series, Calculation of mean in discrete series, Calculation of mean in continuous series Properties of mean,Merits and demerits of mean Median :- Calculation of median in individual series, Calculation of median in discrete series Calculation of median in continuous series, Merits and demerits of median Mode :- Introduction,Calculation of mode in Individual series, Calculation of mode in Discrete series, Calculation of mode in Continuous series, Merits and demerits of Mode | PPT | Assignment 2 |
|  |  | April(3rd & 4th Week) | Measure of Dispersion  Introduction, Measure of dispersion (Range) Quartile deviation:- Calculation of Quartile deviation in Individual series, Discrete series,continuous series, Merits and demerits of Quartile deviation Mean deviation:- Calculation of Mean deviation in Individual series,Discrete series, continuous series Standard Deviation:- Calculation of Standard deviation in Individual series, Discrete series continuous series, Merits and demerits of Standard deviation |  |  |
|  |  | May(1st & 2nd Week) | Co-efficient of variation;- Calculation of Co-efficient of variation in Individual seriesDiscrete series, continuous series, Merits and demerits of Co-efficient of variation |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Reena** |  | **Soil Geography (605)** |  |  |
|  | B.A. Honours. Sem.6 | Feb 4th & 5th Week | Definition, nature, scope and significance of soil geography; relationship of soil geography and pedology | Discussion and Explanation through PPT |  |
| March Ist & 2nd Week | Soil Forming Factors: parent material, climate, topographic organic and their spatial temporal dimensions., Soil Processes: Eluviations, Humification, Classification, salinization, podzolisation. |
|  |  | March 3rd, 4th & 5th Week | Soil profile: Development and Characteristics of soil profile., Physical properties of soils: tenure, structure, colour, porosity and permeability. |  | Test |
|  |  | April(1st & 2nd Week) | Chemical Properties of soils: soil reaction, Factors of controlling soil reaction, Humus, soil clays,pH and Ec. | PPT | Assignment 2 |
|  |  | April(3rd & 4th Week) | Soils and Environment problems: Soil erosion, degradation and conservation; methods to improvethe physical qualities of soil. |  |  |
|  |  | May(1st & 2nd Week) | Soil Survey: Modern techniques of soil survey, soil mapping sustainabledevelopment of soil resources with reference to India. |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Reena** |  | Introduction to Remote Sensing and Field Survey Report (304)Practical |  |  |
|  | B.A. Pass Course. Sem.6 | Feb 4th & 5th Week | Demarcation of Principal Point on Aerial Photograph | Discussion and Explanation through PPT |  |
| March Ist & 2nd Week | Identification of Principal point, Conjugate Principal point and Flight line |
|  |  | March 3rd, 4th & 5th Week | Determination of scale of Aerial Photographs , Interpretation of Single Vertical Photograph |  | Test |
|  |  | April(1st & 2nd Week) | Identification of features using Stereoscope Identification of features on IRS 1D LISS-III Imagery | PPT | Assignment 2 |
|  |  | April(3rd & 4th Week) | Socio-economic surveyData collection |  |  |
|  |  | May(1st & 2nd Week) | Report writing |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Reena** |  | Field Survey in Geography(Theory) 603-A + B ) Theory & Practical |  |  |
|  | B.A. Honours. Sem.6 | Feb 4th & 5th Week | Topographical Sheets-1:50,000 and 1:25,000Socio-economic Information on Toposheets. | Discussion and Explanation through PPT |  |
| March Ist & 2nd Week | Sources of Demographic and Socio-economic Data of Villages ,Census data for the Socio-economic Study of Village/Towns. |
|  |  | March 3rd, 4th & 5th Week | Cadastral maps for Field mapping of Village/towns. |  | Test |
|  |  | April(1st & 2nd Week) | Field mapping of the Features of Landuse and Land Quality. | PPT | Assignment 2 |
|  |  | April(3rd & 4th Week) | Use of Structured Questionnaires for Socio-economic Survey.Analysis of Collected Socio-economic Data. |  |  |
|  |  | May(1st & 2nd Week) | Report Writing  |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Ritu** | 103 Physical Geography I | Theory |  |  |
|  | B.A. Pass Course. Sem. 2 | Feb 4th & 5th Week |  Definition, Nature, scope and fields of Physical Geography, Interior of the earth, Geological time scale and rocks. | Discussion and Explanation through PPT |  |
| March Ist & 2nd Week |  Earth movements; organic, eperogenic, earth quakes and volcanoes , Theory of Isostasy ; Wegner’s theory of continental drift and Plate tectonic theory |
|  |  | March 3rd, 4th & 5th Week | Weathering; causes and its types.Mass-movements; causes, its types and impacts |  | Test |
|  |  | April(1st & 2nd Week) | Concept of cycle of erosion; cycle of erosion by W.M.Davis, Penck and King | PPT | Assignment 2 |
|  |  | April(3rd & 4th Week) | Process of Wind, River, Underground water,  |  |  |
|  |  | May(1st & 2nd Week) |  Process of Glaciers and Sea waves |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Ritu** | 104 Physical Geography I | Theory |  |  |
|  | B.A. Pass Course. Sem. 2 | Feb 4th & 5th Week | Introduction to Topographical Sheets , India and adjacent countries . Degree Sheet . Half Degree Sheet . Quarter Degree Sheet . | Discussion and Explanation through PPT |  |
| March Ist & 2nd Week |  Conventional Signs , Methods of representing relief , Representation of Topographical features by contours |
|  |  | March 3rd, 4th & 5th Week | Slopes (Concave, convex, undulating and terraced) Valleys (V Shaped, U shaped, Gorge, Re-entrant) Ridges (Conical hill, Volcanic hill, Plateau, Escarpment) |  | Test |
|  |  | April(1st & 2nd Week) |  Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast) | PPT | Assignment 2 |
|  |  | April(3rd & 4th Week) |  Drawing of Profiles (a) Cross Profiles: Serial, superimposed, projected and composite profiles. (b) Longitudinal profiles |  |  |
|  |  | May(1st & 2nd Week) | Revision of Whole Syllabus |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to April 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 |  **Ritu** | Geography of Disaster ( 401) | Theory |  |  |
|  | B.A. Honours. Sem. 4 | Feb 4th & 5th Week | Meaning, concept and classification of Hazards and Disasters. ,Major disasters of the world and disaster profile of India | Discussion and Explanation through PPT |  |
| March Ist & 2nd Week |  Tectonic disasters: Occurrence, geographical distribution and impacts of Earthquakes, Tsunamis, Volcanic eruption and Landslides. |
|  |  | March 3rd, 4th & 5th Week |  Hydrological disasters: Occurrence and impact of floods and droughts in India., Climatic disasters: Tropical cyclones, Heavy Precipitation Events-Cloud Burst, Heat and cold waves |  | Test |
|  |  | April(1st & 2nd Week) |  Human induced disasters: Epidemics, Industrial Disasters, Nuclear Disasters, wars and terrorism. | PPT | Assignment 2 |
|  |  | April(3rd & 4th Week) | Preparedness for disasters : Case Study of Cyclones and floods in India , Mitigation of disasters: Case study of droughts and earthquakes in India |  |  |
|  |  | May(1st & 2nd Week) |  Post disaster Rehabilitation-Case Study of Tsunami in India., Impacts of disasters on economy and society in India. |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** ACADEMIC SESSION – 2022-2023 SEMESTER EVEN FOR THE MONTH OF Feb to May 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given  |
| 1 | **Dr. Krishan Kumar** | Geography | **Paper 402 Economic Geography** |  |  |
|  | B.A. 4th Semester Honours  | Feb 4th & 5th WeekMarch Ist & 2nd Week | 1. Nature, scope and relationships of economic geography with economics and other branches of social sciences. 2. Classification of economic activities and their impact on environment | Discussion and Explanation through Map | Classification of economic activities and their impact on environment |
|  |  | March 3rd, 4th & 5th Week | 3. Types, basis and classification of world natural resources. 4. Conservation and utilization of natural resources. | Explanation through Map |  Test |
|  |  | April(1st & 2nd Week) | 5. Basis and classification of world agricultural types with special reference to Intensive Subsistence Agriculture, Mediterranean agriculture, Dairy farming and Plantation Agriculture. 6. World production and distribution of energy resources: coal, petroleum and natural gas. | Explanation through Map |  |
|  |  | April(3rd & 4th Week) | 7. Classification of industries and basis of location and development of iron and steel industry and cotton textile industry, major industrial complexes of the world. | Explanation through Map | steel industry and cotton textile industry, major industrial complexes of the world. |
|  |  | May(1st & 2nd Week) | . 8. Geographical factors in the development of trade, Major Ocean trade routes of world. |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2022 -23 Semester Even For The Month Feb to May 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Dr Krishan Kumar** | Introduction to Remote Sensing and Field Survey Report (304) | Practical |  |  |
|  | B.A. General. Sem. 6 | Feb | Demarcation of Principal Point on Aerial Photograph |  |  |
|  |  | March |
| Identification of Principal point, Conjugate Principal point and Flight line |
|  |  | April | Determination of scale of Aerial Photographs |  |  |
|  |  | Interpretation of Single Vertical Photograph |  |  |
|  |  | April | Identification of features using Stereoscope Identification of features on IRS 1D LISS-III Imagery |  |  |
|  |  | Socio-economic surveyData collection |  |  |
|  |  | May | Report writing |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2022- 2023 Semester Even For The Month of Feb. to May 2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month | Topic/Chapters to be covered | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Dr Krishan Kumar** |  | Remote Sensing, GIS and Quantative Methods |  |  |
|  | B.A. Pass Course. Sem.6 | Feb 4th & 5th Week | Introduction to Aerial Photograph :-(Generalities,Definition and History of Aerial Photograph , Bases of Aerial Photograph, Classification of Aerial Photograph, Identification of Aerial Photograph,Aerial camera and its types, Season and time of photography, Planning and execution of photographic flights, Completion of photographic task, Advantages of Aerial Photography, Application of Aerial Photography) Elements of Aerial Photograph Introduction, Image Interpretation, Bases principal of aerial photograph, Factor governing the quality of an image, Elements of image interpretation, |  | Introduction, Image Interpretation, Bases principal of aerial photograph, Factor governing the quality of an image, Elements of image interpretation |
| March Ist & 2nd Week | : Introduction to Remote Sensing General Introduction, Meaning of Remote Sensing, Process of Remote Sensing , Stages of Remote Sensing, Electromagnetic Spectrum , Satellites and its historical development , Types of Imageries and their applicationApplication of imageries in agriculture, Environment, Resource Mapping |
|  |  | March 3rd, 4th & 5th Week |  Introduction of GIS : General introduction, Meaning and Concept of GIS, History of GIS, Definition of GIS,Purposes of GIS, Elements of GIS, Data Model, Data structure, Error in GIS, Advantages of GIS, Hardware’ Components of Hardware, Software and GIS ,Application of GIS in various fields of Geography , Application,Agriculture development and land evolution, , Change detection of vegetation area, Analysis and monitoring of vegetation health, Analysis of deforestation, Waste land mapping, Soil resource mapping, Groundwater potential mapping, Geological and mineral exploration, Snow melt runoff forecasting, Forest fire monitoring and ocean productivity |  | Test |
|  |  | April(1st & 2nd Week) | Measure of Central TendencyConcept of Central Tendency, Definition of average(Mean), Calculation of mean in individual series, Calculation of mean in discrete series, Calculation of mean in continuous series Properties of mean,Merits and demerits of mean Median :- Calculation of median in individual series, Calculation of median in discrete series Calculation of median in continuous series, Merits and demerits of median Mode :- Introduction,Calculation of mode in Individual series, Calculation of mode in Discrete series, Calculation of mode in Continuous series, Merits and demerits of Mode |  | Co-efficient of variation;- Calculation of Co-efficient of variation in Individual series |
|  |  | April(3rd & 4th Week) | Measure of Dispersion  Introduction, Measure of dispersion (Range) Quartile deviation:- Calculation of Quartile deviation in Individual series, Discrete series,continuous series, Merits and demerits of Quartile deviation Mean deviation:- Calculation of Mean deviation in Individual series,Discrete series, continuous series Standard Deviation:- Calculation of Standard deviation in Individual series, Discrete series continuous series, Merits and demerits of Standard deviation |  |  |
|  |  | May(1st & 2nd Week) | Co-efficient of variation;- Calculation of Co-efficient of variation in Individual seriesDiscrete series, continuous series, Merits and demerits of Co-efficient of variation |  |  |