**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2022 Semester Even For the Month of April to July 2022

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| 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.TANASA HOODA** | **Map Projection ( 204)** | Practical |  |  |
|  | B.A. General. Sem. 4 | April | 1. Introduction to Map Projection: Meaning, Classification and importance; Characteristics of latitudes and longitudes lines |  |  |
|  |  |
| 2. Cylindrical projections: Characteristics, applications and drawing |
|  |  | May | (i) Simple cylindrical projection (ii) Cylindrical equal area projection. (iii) True shape or orthomorphic or Mercator’s Projection. |  |  |
|  |  | 3. 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. |  |  |
|  |  | June | 4. 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 |  |  |
|  |  | 5. Characteristics, applications and drawings of (i) Sinosoidal and (2) (ii) Mollweide Projections. |  |  |
|  |  | July | 6. Plane Table Survey |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

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

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| 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. Tanasa Hooda** | **Paper 604 GEOGRAPHY OF SETTLEMENT** | 1. Introduction: Nature and Scope of settlement geography |  |  |
| April  (1st and 2nd Week) |
|  | B.A. Hons. Sem. 6 | April  (3rd and 4th Week) | 2. Basic Concepts: Rural and Urban Settlements, Hamlet, Village, Town, City, Metropolis, Megalopolis, Conurbation, and Rural-Urban Fringe. |  | Assignment-1 |
|  |  | May  (1st and 2nd Week) | 3. Histogenesis of rural settlements: historical development, distribution of rural settlements. Size and spacing of rural settlements in India. |  | Test |
| May  (3rd and 4th Week) | 4. Rural Settlements: Types, Patterns and Determinants. Functional classification of rural settlements |
| ‘ |  | June  (1st and 2nd Week) | 5. Regional Settlement Hierarchy: Central Place Theory, Rank-Size Rule, Primate City |  | Assignment-11 |
|  |  |
| June  (3rd and 4th Week) | 6. Urban Land use Models; Concentric zone model, sector model and multiple nuclei mode |
|  |  | July  (1st and 2nd Week) | 7.Urban problems: housing, poverty, water supply and sanitation |  |  |
| July  (3rd Week) | 8. Planned Cities: A Case Study of Chandigarh – Site and Situation, Layout and Landuse, Services and Infrastructure, Problems |

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| 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. Tanasa Hooda** | **Map Projection ( 204)** | Practical |  |  |
|  | B.A. General. Sem. 4 | April | 1. Introduction to Map Projection: Meaning, Classification and importance; Characteristics of latitudes and longitudes lines |  |  |
|  |  |
| 2. Cylindrical projections: Characteristics, applications and drawing |
|  |  | May | (i) Simple cylindrical projection (ii) Cylindrical equal area projection. (iii) True shape or orthomorphic or Mercator’s Projection. |  |  |
|  |  | 3. 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. |  |  |
|  |  | June | 4. 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 |  |  |
|  |  | 5. Characteristics, applications and drawings of (i) Sinosoidal and (2) (ii) Mollweide Projections. |  |  |
|  |  | July | 6. Plane Table Survey |  |  |

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| 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 Kundu** | **Agriculture Geography (202)** | 1. Definition, nature and scope of agricultural geography; its relation with agricultural economics. |  |  |
| April  (1st and 2nd Week) |
|  | B.A. Hons. Sem. 2 | April  (3rd and 4th Week) | Various approaches to the study of agricultural geography with special reference to commodity,  systematic and regional approaches. |  | Assignment 1st |
|  |  | May  (1st and 2nd Week) | 3. Physical factors as determinants of land use and cropping pattern. |  | Test |
| May  (3rd and 4th Week) | 4. Technological and institutional factors as determinants of agricultural pattern. |
| ‘ |  | June  (1st and 2nd Week) | 5. Significance of surveys in agricultural geography-land use and land capability surveys. |  | Assignment 2nd |
|  |  |
| June  (3rd and 4th Week) | 6. Von Thunen Model of agricultural land use. |
|  |  | July  (1st and 2nd Week) | 7. Basis of regionalization of agriculture- crop combinations, concentration and diversification  indices. |  |  |
| July  (3rd week) | 8. World agricultural regions-Whitlesey’s Criteria of classification of agricultural systems.  9. Green revolution in India – its impacts and consequences. |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** ACADEMIC SESSION – 2021-2022 SEMESTER EVEN FOR THE MONTH OF April to July 2022

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| 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 Kundu** | Geography | **Paper 402 Economic Geography** |  |  |
|  | B.A. 4th Semester Honours Course | April | 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 | Assignment 1st |
|  |  |  |
|  |  | May | 3. Types, basis and classification of world natural resources.  4. Conservation and utilization of natural resources. | Explanation through Map | Test |
|  |  | June | 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 | Assignment 2nd |
|  |  | July | 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. 8. Geographical factors in the development of trade, Major Ocean trade routes of world. | Explanation through Map |  |

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NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2021- 2022 Semester Even For the Month of April to July 2022

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| 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 Kundu** | **Map Projection ( 204)** | Practical |  |  |
|  | B.A. General. Sem. 4 | April | 1. Introduction to Map Projection: Meaning, Classification and importance; Characteristics of latitudes and longitudes lines |  |  |
|  |  |
| 2. Cylindrical projections: Characteristics, applications and drawing |
|  |  | May | (i) Simple cylindrical projection (ii) Cylindrical equal area projection. (iii) True shape or orthomorphic or Mercator’s Projection. |  |  |
|  |  | 3. 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. |  |  |
|  |  | June | 4. 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 |  |  |
|  |  | 5. Characteristics, applications and drawings of (i) Sinosoidal and (2) (ii) Mollweide Projections. |  |  |
|  |  | July | 6. Plane Table Survey |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

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

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

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| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month |  | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Ms.Punam Rani** | 103 Physical Geography I |  |  |  |
|  | B.A. Pass Course. Sem. 2 | April  (1st and 2nd Week) | 1. Definition, Nature, scope and fields of Physical Geography | Discussion and Explanation through Map | (Assignment 1) |
|  |  | April  (3rd and 4th Week) | 2. Interior of the earth, Geological time scale and rocks. |
|  | May  (1st and 2nd Week) | 3. Earth movements; organic, eperogenic, earth quakes and volcanoes |  | Test |
| May  (3rd and 4th Week) | 4. Theory of Isostasy ; Wegner’s theory of continental drift and Plate tectonic theory |
|  |  | June  (1st and 2nd Week) | 5. Weathering; causes and its types. |  | Assignment 2 |
| June  (3rd and 4th Week) | 6. Mass-movements; causes, its types and impacts |
|  |  | July  (1st and 2nd Week) | 7. Concept of cycle of erosion; cycle of erosion by W.M.Davis, Penck and King |  |  |
| July  (3rd Week) | 8. Process of Wind, River, Underground water, Glaciers and Sea waves |

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NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2021- 2022 Semester Even For The Month of April to July 2022

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| 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 | **Ms PUNAM RANI** | Geography of Disaster ( 401) | Theory |  |  |
|  | B.A. Hons. Sem. 4 | April  (1st and 2nd Week) | 1. Meaning, concept and classification of Hazards and Disasters. 2. Major disasters of the world and disaster profile of India | Discussion and Explanation through Map | Assignment- 1 |
|  |  | April (3rd and 4th Week) | 3. Tectonic disasters: Occurrence, geographical distribution and impacts of Earthquakes, Tsunamis, Volcanic eruption and Landslides. |
|  | May  (1st and 2nd Week) | 4. Hydrological disasters: Occurrence and impact of floods and droughts in India. 5. Climatic disasters: Tropical cyclones, Heavy Precipitation Events-Cloud Burst, Heat and cold waves |  | Test |
| May  (3rd and 4th Week) | . 6. Human induced disasters: Epidemics, Industrial Disasters, Nuclear Disasters, wars and terrorism. |
|  |  | June  (1st and 2nd Week) | 7. Preparedness for disasters : Case Study of Cyclones and floods in India |  | Assignment-11 |
| June  (3rd and 4th Week) | 8. Mitigation of disasters: Case study of droughts and earthquakes in India |
|  |  | July  (1st and 2nd Week) | 9. Post disaster Rehabilitation-Case Study of Tsunami in India. |  |  |
| July  (3rd Week) | 10. Impacts of disasters on economy and society in India. |

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NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2021- 2022 Semester Even For The Month of April to July 2022

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| 1 | **Ms. Punam Rani** | Introduction to Remote Sensing and Field Survey Report (304) | Practical |  |  |
|  | B.A. General. Sem. 6 | April | Demarcation of Principal Point on Aerial Photograph |  |  |
|  |  |
| Identification of Principal point, Conjugate Principal point and Flight line |
|  |  | May | Determination of scale of Aerial Photographs |  |  |
|  |  | Interpretation of Single Vertical Photograph |  |  |
|  |  | June | Identification of features using Stereoscope  Identification of features on IRS 1D LISS-III Imagery |  |  |
|  |  | Socio-economic survey  Data collection |  |  |
|  |  | July | Report writing |  |  |

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** ACADEMIC SESSION –2021- 2022 SEMESTER EVEN FOR THE MONTH OF April to July 2022

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| 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** | Geography | Remote Sensing, GIS and Quantative Methods |  |  |
|  | B.A. 6th Pass Course | April | Chapter 1: Introduction to Aerial Photograph :-  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)  Chapter 2: 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 Map |  |
|  |  | (Assignment 1) |
|  |  | May | Chapter 3: 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  Chapter 4: Types of Imageries and their application  Application of imageries in agriculture, Environment, Resource Mapping | Explanation through Map | Test |
|  |  | June | Chapter 5: 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  Chapter 6: 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. | Explanation through Map | (Assignment 2) |
|  |  | July | Chapter 7: Measure of Central Tendency  Concept 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  Chapter 8: 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  Co-efficient of variation;- Calculation of Co-efficient of variation in Individual series  Discrete series, continuous series, Merits and demerits of Co-efficient of variation |  |  |

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| 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** | 104 Physical Geography I | (Practical) |  |  |
|  | B.A. Pass Course. Sem. 2 | April  (1st and 2nd Week) | Introduction to Topographical Sheets | Discussion and Explanation through Map |  |
|  |  | April  (3rd and 4th Week) | India and adjacent countries . Degree Sheet . Half Degree Sheet . Quarter Degree Sheet . Conventional Signs |
|  | May  (1st and 2nd Week) | Methods of representing relief |  |  |
| May  (3rd and 4th Week) | Representation of Topographical features by contours. |
|  |  | June  (1st and 2nd Week) | Slopes (Concave, convex, undulating and terraced) Valleys (V Shaped, U shaped, Gorge, Re-entrant) Ridges (Conical hill, Volcanic hill, Plateau, Escarpment) |  |  |
| June  (3rd and 4th Week) | Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast) |
|  |  | July  (1st and 2nd Week) | 4. Drawing of Profiles 5 (a) Cross Profiles: Serial, superimposed, projected and composite profiles. (b) Longitudinal profiles |  |  |
| July  (3rd Week) | Revision |

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| 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** | Field Survey in Geography  (Theory) 603-A |  |  |  |
|  | B.A. Hons. Sem. 6 | April  (1st and 2nd Week) | Topographical Sheets-1:50,000 and 1:25,000 | Discussion and Explanation through Map | (Assignment 1) |
|  |  | April  (3rd and 4th Week) | Socio-economic Information on Toposheets. |
|  | May  (1st and 2nd Week) | Sources of Demographic and Socio-economic Data of Villages. |  | Test |
| May  (3rd and 4th Week) | Census data for the Socio-economic Study of Village/Towns. |
|  |  | June  (1st and 2nd Week) | Cadastral maps for Field mapping of Village/towns. | PPT of case studies | (Assignment 2) |
| June  (3rd and 4th Week) | Field mapping of the Features of Landuse and Land Quality. |
|  |  | July  (1st and 2nd Week) | Use of Structured Questionnaires for Socio-economic Survey. |  |  |
| July  (3rd Week) | Analysis of Collected Socio-economic Data. |

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| 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 | **Ms. Reena** | **Soil Geography (605)** | Definition, nature, scope and significance of soil geography; relationship of soil geography and pedology |  |  |
| April  (1st and 2nd Week) |
|  | B.A. Hons. Sem. 6 | April  (3rd and 4th Week) | Soil Forming Factors: parent material, climate, topographic organic and their spatial temporal dimensions. | Discussion and Explanation through PPT | (Assignment 1) |
|  |  | May  (1st and 2nd Week) | Soil Processes: Eluviations, Humification, Classification, salinization, podzolisation. |  | Test |
| May  (3rd and 4th Week) | Soil profile: Development and Characteristics of soil profile. |
|  |  | June  (1st and 2nd Week) | Physical properties of soils: tenure, structure, colour, porosity and permeability. | PPT | (Assignment 2) |
| June  (3rd and 4th Week) | Chemical Properties of soils: soil reaction, Factors of controlling soil reaction, Humus, soil clays,  pH and Ec. |
|  |  | July  (1st and 2nd Week) | Soils and Environment problems: Soil erosion, degradation and conservation; methods to improve  the physical qualities of soil. |  |  |
| July  (3rd Week) | Soil Survey: Modern techniques of soil survey, soil mapping sustainable  development of soil resources with reference to India. |

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| 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 | **Ms. Reena** | Introduction to Remote Sensing and Field Survey Report (304) | Practical |  |  |
|  | B.A. General. Sem. 6 | April | Demarcation of Principal Point on Aerial Photograph |  |  |
|  |  | May |
| Identification of Principal point, Conjugate Principal point and Flight line |
|  |  | June | Determination of scale of Aerial Photographs |  |  |
|  |  | Interpretation of Single Vertical Photograph |  |  |
|  |  | July | Identification of features using Stereoscope  Identification of features on IRS 1D LISS-III Imagery |  |  |
|  |  | Socio-economic survey  Data collection |  |  |
|  |  | July | Report writing |  |  |

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| Sr. No | Name of Assistant/Associate Professor/Class | Subject/Week/Month |  | Academic Activities to be organized | Topic of Assignment/Tests to be given |
| 1 | **Ms. Reena** | 103 Physical Geography I |  |  |  |
|  | B.A. Pass Course. Sem. 2 | April  (1st and 2nd Week) | 1. Definition, Nature, scope and fields of Physical Geography | Discussion and Explanation through Map | (Assignment 1) |
|  |  | April  (3rd and 4th Week) | 2. Interior of the earth, Geological time scale and rocks. |
|  | May  (1st and 2nd Week) | 3. Earth movements; organic, eperogenic, earth quakes and volcanoes |  | Test |
| May  (3rd and 4th Week) | 4. Theory of Isostasy ; Wegner’s theory of continental drift and Plate tectonic theory |
|  |  | June  (1st and 2nd Week) | 5. Weathering; causes and its types. |  | Assignment 2 |
| June  (3rd and 4th Week) | 6. Mass-movements; causes, its types and impacts |
|  |  | July  (1st and 2nd Week) | 7. Concept of cycle of erosion; cycle of erosion by W.M.Davis, Penck and King |  |  |
| July  (3rd Week) | 8. Process of Wind, River, Underground water, Glaciers and Sea waves |

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** ACADEMIC SESSION –2021- 2022 SEMESTER EVEN FOR THE MONTH OF April to July 2022

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| 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 | **MS. RITU RANI** | Geography | Remote Sensing, GIS and Quantative Methods |  |  |
|  | B.A. 6th Pass Course | April | Chapter 1: 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)  Chapter 2: 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 Map |  |
|  |  | (Assignment 1) |
|  |  | May | Chapter 3: 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  Chapter 4: Types of Imageries and their application  Application of imageries in agriculture, Environment, Resource Mapping | Explanation through Map | Test |
|  |  | June | Chapter 5: 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  Chapter 6: 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. | Explanation through Map | (Assignment 2) |
|  |  | July | Chapter 7: Measure of Central Tendency  Concept 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  Chapter 8: 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  Co-efficient of variation;- Calculation of Co-efficient of variation in Individual series  Discrete 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 – 2021- 2022 Semester Even For The Month of April to July 2022

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| 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 | **Ms.Ritu Rani** | 104 Physical Geography I | (Practical) |  |  |
|  | B.A. Pass Course. Sem. 2 | April  (1st and 2nd Week | Introduction to Topographical Sheets | Discussion and Explanation through Map |  |
|  |  | April  (3rd and 4th Week) | India and adjacent countries . Degree Sheet . Half Degree Sheet . Quarter Degree Sheet . Conventional Signs |
|  | May  (1st and 2nd Week) | Methods of representing relief |  |  |
| May  (3rd and 4th Week) | Representation of Topographical features by contours. |
|  |  | June  (1st and 2nd Week) | Slopes (Concave, convex, undulating and terraced) Valleys (V Shaped, U shaped, Gorge, Re-entrant) Ridges (Conical hill, Volcanic hill, Plateau, Escarpment) |  |  |
| June  (3rd and 4th Week | Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast) |
|  |  | July  (1st and 2nd Week) | 4. Drawing of Profiles 5 (a) Cross Profiles: Serial, superimposed, projected and composite profiles. (b) Longitudinal profiles |  |  |
| July  (3rd week) | Revision |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2020 Semester Even For the Month of January to April 2020

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| 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 | **Ms.Ritu Rani** | Climatology (304) | Theory |  |  |
|  | B.A. Hons. Sem. 2 | April  (1st and 2nd Week | Atmospheric Moisture: Humidity, | Discussion and Explanation through PPT |  |
| April  (3rd and 4th Week) | evaporation, condensation |
|  |  | May  (1st and 2nd Week) | precipitation-types and distribution. |  | Test |
| May  (3rd and 4th Week) | Cyclones: Tropical and extra tropical, |
|  |  | June  (1st and 2nd Week) | air masses and fronts. | PPT | Assignment 2 |
| June  (3rd and 4th Week | Climatic Classifications: Koeppen and Thornthwaite Systems of classification. |
|  |  | July  (1st and 2nd Week) | Climate Change: Past climates-evidences |  |  |
| July  (3rd week) | Theories of climate change and global warming. |

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2021-22 Semester Even For The Month of April to July 2022

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| 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. |  |  |
| April  (1st and 2nd Week) |
|  | B.A. Pass Course. Sem. 4 | April  (3rd and 4th 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, |
|  |  | May  (1st and 2nd Week) | Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman (iii) Plateau – Gonds (iv) Mountains – Gujjars |  | Test |
| May  (3rd and 4th 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. |
| ‘ |  | June  (1st and 2nd 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. |  | Rural settlements: Meaning, classification and types. Urban settlements: |
|  |  |
| June  (3rd and 4th Week) | Rural settlements: Meaning, classification and types. Urban settlements: Origin, classification and functions of towns. |
|  |  | July  (1st and 2nd Week) | Population pressure, resource use and environment degradation; sustainable development, concept of deforestation, soil erosion, air and water pollution |  |  |
| July  (3rd week) |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2021-22Semester Even For the Month of April to July 2022

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| 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 | 1.Concept of Region, types of Regions |  |  |
|  | B.A. Hons. Sem. 6 | April  (1st and 2nd Week) | 2. Methods of Regionalization. |  | 3. Theories of Regional Development: Hirschman and Myrdal’s Theory. |
|  |  | April  (3rd and 4th Week) | 3. Theories of Regional Development: Hirschman and Myrdal’s Theory. |
|  | May  (1st and 2nd Week) | 4. Regional Imbalances in development in India with spatial reference of human and Economic development. |  |  |
| May  (3rd and 4th Week) | 5.Concept of Planning: Spatial and Sectoral, |
|  |  | June  (1st and 2nd Week) | 6.Regional and National, Micro and Macro. |  | Environmental Issues in Regional Planning |
| June  (3rd and 4th Week) | 7.Environmental Issues in Regional Planning: Planning for Sustainable Development. |
|  |  | July  (1st and 2nd Week) | 8.Features of Various Five years Plans in India. |  |  |
| July  (3rd 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 – 2021-22 Semester Even For the Month of April to July 2022

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| 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 (203A and B)** | Practical |  |  |
|  | B.A. Sem. 2 | April | 1. Introduction to Map Projection: Meaning, Classification and importance; Characteristics of latitudes and longitudes lines |  | Introduction to Map Projection: Meaning, Classification and importance; Characteristics of latitudes and longitudes lines |
|  |  |
| 2. Cylindrical projections: Characteristics, applications and drawing |
|  |  | May | (i) Simple cylindrical projection (ii) Cylindrical equal area projection. (iii) True shape or orthomorphic or Mercator’s Projection. |  |  |
|  |  | 3. 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. |  |  |
|  |  | June | 4. 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 |  | ) Sinosoidal (2) (ii) Mollweide Projections |
|  |  | 5. Characteristics, applications and drawings |  |  |
|  |  | July | (i) Sinosoidal (2) (ii) Mollweide Projections. |  |  |

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2021-22 Semester Even For The Month of April to July 2022

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| 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 Vikram Singh** | **Paper 203 Human Geography** | Nature and scope of Human Geography, Branches of Human Geography, Approaches to the study of Human Geography. |  |  |
| April  (1st and 2nd Week) |
|  | B.A. Pass Course. Sem. 4 | April  (3rd and 4th 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, |
|  |  | May  (1st and 2nd Week) | Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman (iii) Plateau – Gonds (iv) Mountains – Gujjars |  | Test |
| May  (3rd and 4th 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. |
| ‘ |  | June  (1st and 2nd 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. |  | Rural settlements: Meaning, classification and types. Urban settlements: |
|  |  |
| June  (3rd and 4th Week) | Rural settlements: Meaning, classification and types. Urban settlements: Origin, classification and functions of towns. |
|  |  | July  (1st and 2nd Week) | Population pressure, resource use and environment degradation; sustainable development, concept of deforestation, soil erosion, air and water pollution |  |  |
| July  (3rd week) | Revision |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session – 2021-22 Semester Even For The Month of April to July 2022

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| 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 Vikram Singh** | **Map Projection ( 204)** | Practical |  |  |
|  | B.A. General. Sem. 4 | April | 1. Introduction to Map Projection: Meaning, Classification and importance; Characteristics of latitudes and longitudes lines |  |  |
|  |  |
| 2. Cylindrical projections: Characteristics, applications and drawing |
|  |  | May | (i) Simple cylindrical projection (ii) Cylindrical equal area projection. (iii) True shape or orthomorphic or Mercator’s Projection. |  |  |
|  |  | 3. 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. |  |  |
|  |  | June | 4. 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 |  |  |
|  |  | 5. Characteristics, applications and drawings of (i) Sinosoidal and (2) (ii) Mollweide Projections. |  |  |
|  |  | July | 6. Plane Table Survey |  |  |

**SUMMARY OF LESSON PLAN OF COLLEGE FACULTY**

NAME OF COLLEGE – **GOVT. COLLEGE, JIND** Academic Session –2021-22 Semester Even For The Month of April to July 2022

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| 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. Vikram Singh** |  | **Statistical Methods in Geography(601)** | Type of data and descriptive Statistics: visual descriptive methods such as histograms, ogives. |  |  |
|  | April  (1st and 2nd Week) |
|  | B.A. Honours. Sem. 6 |  | April  (3rd and 4th Week) | Numerical descriptive Statics: measure of Central Tendency and partition values. |  | Assignment 1st |
|  |  |  | May  (1st and 2nd Week) | Measure of dispersion: Quartile deviation, Mean deviation, Standard deviation |  | Test |
|  | May  (3rd and 4th Week) | Measure of Inequality: Lorenz Curve |
| ‘ |  |  | June  (1st and 2nd Week) | Continuous Probability Distributions and Models |  | Assignment 2nd |
|  | June  (3rd and 4th Week) | Properties of Normal Distribution |
|  |  |  | July  (1st and 2nd Week) | Inferential Statistics: confidence Intervals and Hypothesis Testing |  |  |
|  | July  (3rd Week) | Sampling its type and its application in Geographical Studies. |