**Govt. P.G. College, Ambala Cantt**

**Department of Geography**

**Lesson plan- 2023-24 (Even Semester)**

**Sanjeet Singh, Assistant Professor**

**Geographical Thought, GEOG-401**

**Class: M. Sc.-II, Semester-IV**

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| **Month/Year** | **Topics to be covered** | **Co-curricular Activities** |
| January, 2024 | Classification of knowledge,  Nature of Geography and its place among sciences  Nature of Geographic knowledge during ancient  -Greek and Roman Period  -medieval (Arab) period | Assignment, class test,  Topical presentations  Etc. |
| February, 2024 | Foundation of Modern Geography-contributions  -Varenius, Kant, Humboldt and Ritter  Emergence of Geography as a study of  -physical features  -chorology  -landscapes  Concepts and dualism in Geography:  -Environmental Determinism and Possibilism,  -Physical vs Human Geography, |
| March, 2024 | Concepts and dualism in Geography  -Systematic vs Regional Geography  Areal Differentiation  Quantitative Revolution-Emergence of theoretical geography  Positivist Explanations in Geography-  -Laws, theories and models  -inductive & deductive logic |
| April, 2024 | Behavioral and Humanistic Perspectives in Geography  Social Relevance in Geography- Welfare, Radical and Feminist Perspectives  Postmodernism and Geography  Revision |

**Course Outcomes (COs):**

**GEOG-401.1** Cognizance of nature and philosophy of geography.

**GEOG-401.2** Contextualization of development of geographic knowledge in different time periods.

**GEOG-401.3** Understanding of philosophy and themes in modern geography

**GEOG-401.4** Ability to explain the positivism, QR and alternative explanations in geography

**Govt. P.G. College, Ambala Cantt**

**Department of Geography**

**Lesson plan- 2023-24 (Even Semester)**

**Sanjeet Singh, Assistant Professor**

**Urbanization in India, GEOG-403(v)**

**Class- M. Sc. II, Semester-4**

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| Month/Year | Topics to be covered | Co-curricular activities |
| January, 2024 | * History of urbanization in India * Urbanization during the Ancient period, * Urbanization during the Medieval period, * Urbanization during the Colonial period * Post independence phases of urbanization | Assignment, class test,  Topical presentations  Quiz  Geographical terms and concepts demonstrations  Etc. |
| February, 2024 | * Processes of urbanization in india * Socio-cultural Processes of urbanization in india * Political Processes of urbanization in india * Economic Processes of urbanization in india * Geographical processes of urbanization in india * Patterns of urbanization in India * settlement structure, * level of urbanization, * criteria of measurement * spatial patterns of urbanization in India * Recent trends of urbanization in India |
| March, 2024 | * Urban regions of India: case studies of metropolitan regions in India * -Delhi Metropolitan Region, * Mumbai Metropolitan Region, * Kolkata Metropolitan Region * Chennai Metropolitan Region * Contemporary Urban issues * Urban poverty, * slums and urban renewal, * urban infrastructure * solid waste management |
| April, 2024 | * Role of urbanization in economic and social change * SEZ : Concept, policies and consequences * National urbanization policy   Revision, discussion, assignments and tests |

**Course Outcomes (COs):**

**GEOG-404.1** Understanding about the history, processes and patterns of urbanization in India.

**GEOG-404.2** Acquaintance with contemporary urban issues and problems.

**GEOG-404.3** Augmentation of knowledge about urbanization and socio-economic changes.

**GEOG-404.4** Ability to explain the metropolitan regions of India and urban policies.

**Govt. P.G. College, Ambala Cantt**

**Department of Geography**

**Lesson plan- 2023-24 (Even Semester)**

**Sanjeet Singh, Assistant Professor**

**Lesson plan- 2023-24 (Even Semester)**

**Population Geography, GEOG-202- Theory**

**Class- M. Sc. I, Semester-II**

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| Month/Year | Topic to be covered | Co-curricular Activities |
| January. 2024 | Nature and scope of population geography.  Methodological problems in population geography.  Sources of population data,  quality and reliability of data,  problems of mapping population data | Assignment,, class test,  Topical presentations  Quiz  Geographical terms and concepts demonstrations etc. |
| February, 2024 | Concepts, determinants and world patterns of the following attributes of population:  -Distribution and density  -Vital rates: birth and death rates  -Migration (including laws of migration)  -Growth  - Age and Sex Composition  -Occupation  -Literacy |
| March, 2024 | Demographic Transition Model  Population Resource Regions  Theories of population:  -Malthus,  -Ricardo  -Marx |
| April, 2024 | Population policy of India  Comparative study of population problems and policies of developed and less developed countries  Population and Environment: Implications for the future  Revision |

**Course Outcomes (COs):**

**GEOG-202.1**: Knowledge about population data base, methodological issues and mapping.

**GEOG-202.2:** Familiarization with the demographic attributes

**GEOG-202.3:** Enrichment of knowledge about population theories and models.

**GEOG-202.4:** Formation and implementation of population policies and environment

**Govt. P.G. College, Ambala Cantt**

**Department of Geography**

**Lesson plan- 2023-24 (Even Semester)**

**Sanjeet Singh, Assistant Professor**

**Lesson plan- 2023-24 (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** |
| January, 2024 | Introduction to Aerial Photographs: their advantages and types  Elements of aerial Photo interpretation | *Assignments*  *tests*  *Topical presentations*  *Geographical demonstrations*  *etc* |
| February, 2024 | 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 |
| March, 2024 | Introduction to Geographical Information System:  -Definition, purpose, advantages  -software and hardware requirements  Application of GIS in various fields of geography |
| April, 2024 | Measure of Central Tendency: Mean, Median and Mode  Measure of Dispersion: Range, Quartile deviation and Mean deviation, Standard deviation, Coefficient of variation  Revision |

**Course outcomes (COs):**

**GEO-303.1**: Acquaintance with basics of aerial photographs and their interpretation.

**GEO-303.2:** Knowledge about fundamental of remote sensing and its applications.

**GEO-303.3**: Knowledge about basics of Geographical Information System and its application in various fields of geography.

**GEO-303.4**: Development of capability to understand the basics of statistics and Capability to comprehend the methods of central tendencies and dispersion.

**Govt. P.G. College, Ambala Cantt**

**Department of Geography**

**Lesson plan- 2023-24 (Even Semester)**

**Sanjeet Singh, Assistant Professor**

**Lesson plan- 2023-24(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 |
| January, 2024 | Aerial Photographs-  -Demarcation of Principal Point  -Conjugate Principal point  -Flight line  Practice and revision | *Geographical demonstrations* |
| February, 2024 | Determination of Scale of Aerial Photographs  Interpretation of Single Vertical Photographs  Practice and revision |
| March, 2024 | Use of Stereoscope and Identification of Features  Identification of Features on IRSID, LISS III imagery (Mark copy of FCC)  Practice and revision |
| April, 2024 | Organize and conduct of Socio-economic Survey and Report Writing  Practice and revision |

**Course outcomes (COs):**

**GEO-304.1**: Familiarization with the skill of measurements on aerial photographs.

**GEO-304.2:** Development of art of visualizing 3-D surface on photographs with the help of Stereoscope.

**GEO-304.3**: Capability to read and interpret physical and cultural features on photographs.

**GEO-304.4**: Ability to extract features from satellite imageries.

**GEO-304.5:** Development of skills about conducting Socio-economic Survey and Report Writing.