**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 sciencesNature of Geographic knowledge during ancient -Greek and Roman Period-medieval (Arab) period | Assignment, class test, Topical presentationsEtc. |
| February, 2024 | Foundation of Modern Geography-contributions-Varenius, Kant, Humboldt and RitterEmergence of Geography as a study of -physical features -chorology -landscapesConcepts and dualism in Geography: -Environmental Determinism and Possibilism, -Physical vs Human Geography,  |
| March, 2024 | Concepts and dualism in Geography -Systematic vs Regional Geography Areal DifferentiationQuantitative Revolution-Emergence of theoretical geographyPositivist Explanations in Geography- -Laws, theories and models-inductive & deductive logic |
| April, 2024 | Behavioral and Humanistic Perspectives in GeographySocial Relevance in Geography- Welfare, Radical and Feminist PerspectivesPostmodernism and GeographyRevision |

**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

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**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 presentationsQuizGeographical terms and concepts demonstrationsEtc. |
| 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 presentationsQuizGeographical 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 ModelPopulation Resource RegionsTheories of population: -Malthus, -Ricardo -Marx |
| April, 2024 | Population policy of IndiaComparative study of population problems and policies of developed and less developed countriesPopulation and Environment: Implications for the futureRevision |

**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 typesElements 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 satellitesTypes 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 requirementsApplication of GIS in various fields of geography |
| April, 2024 | Measure of Central Tendency: Mean, Median and ModeMeasure of Dispersion: Range, Quartile deviation and Mean deviation, Standard deviation, Coefficient of variationRevision |

**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.

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**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 PhotographsInterpretation of Single Vertical PhotographsPractice 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.