

GOVT. COLLEGE JASSIA (ROHTAK)
LESSON PLAN FOR THE SESSION 2024-25

Class: M.A. 2nd Sem.

Subject: Fundamental of Cartography

Name of Teacher: Dr. Joginder Singh

Week, Month	Topics covered
Week 1: Jan. 07 to Jan. 11	Cartography: Meaning, Definition, and nature of Cartography.
Week 2: Jan. 13 to Jan. 18	Scope, significance and development of Cartography.
Week 3: Jan. 20 to Jan. 25	Cartography as a science human communication, tools and techniques in cartography, recent trends in cartography.
Week 4: Jan. 27-31 & Feb. 01	Geographical data, nature and characteristics, types and sources. Geographical Attributes variables and entities.
Week 5: Feb. 03 to Feb. 08	Data collection methods: sampling: sample, types of samples, sampling process methods and errors
Week 6: Feb. 10 to Feb. 15	Data Classification and tabulation.
Week 7: Feb. 17 to Feb. 22	Cartography in a GIS Environment, Data capture and conversion, Accessibility and availability, accuracy and precision.
Week 8:Feb. 24-28 & Mar. 01	Geo Referencing: spatial and temporal, Geographical coordinates: introduction and system,
Week 9: Mar. 03 to Mar. 08	
Mar. 09 to Mar. 16	HOLI VACATIONS
Week 10: Mar. 17 to Mar. 22	Map reference systems and transformations, Digital cartography: Meaning, development and significance.
Week 11: Mar. 24 to 29 & 31	Cartography in a GIS Environment, Data capture and conversion, Accessibility and availability, accuracy and precision.
Week 12: Apr. 01 to Apr. 05	Mapping: Layout design of topographic maps.
Week 13: Apr. 07 to Apr. 12	Thematic, qualitative and quantitative maps.
Week 14: Apr. 14 to Apr. 19	Introduction to mapping organization and services in India SOI
Week 15: Apr. 21 to Apr. 26	NATMO and NRSC
Week 16: Apr. 28 to Apr. 30	Revision
Week 17: May 01 to May 05	Revision

GOVT. COLLEGE JASSIA (ROHTAK)
LESSON PLAN FOR THE SESSION 2024-25

Class: M.A. 2nd Sem.

Subject: Urban Geography

Name of Teacher: Dr. Joginder Singh

Week, Month	Topics covered
Week 1: Jan. 07 to Jan. 11	Urban Geography: Definition nature and scope.
Week 2: Jan. 13 to Jan. 18	Recent Trends; Urban revolutions and growth of towns and cities in the world. (With Particular reference of India).
Week 3: Jan. 20 to Jan. 25	Urbanisation Processes and Pattern in era of globalization
Week 4: Jan. 27-31 & Feb. 01	Urbanisation process in India: Colonial legacy.
Week 5: Feb. 03 to Feb. 08	The post-independence characteristics.
Week 6: Feb. 10 to Feb. 15	Phases of urban development with location of economic activities in cities.
Week 7: Feb. 17 to Feb. 22	Urban form and structure:
Week 8: Feb. 24-28 & Mar. 01	Industrial and Postindustrial societies.
Week 9: Mar. 03 to Mar. 08	Revision and doubt classes
Mar. 09 to Mar. 16	HOLI VACATIONS
Week 10: Mar. 17 to Mar. 22	Aspects of Urban places: location, site and situation, Definition nature and significance.
Week 11: Mar. 24 to 29 & 31	Urban ecological processes, urban system and growth of cities, the rank size distribution of cities and primate city distribution.
Week 12: Apr. 01 to Apr. 05	Central place theory of Christaller; the urban fringe.
Week 13: Apr. 07 to Apr. 12	Urban planning visions: the garden city
Week 14: Apr. 14 to Apr. 19	The radiant city, conserving urban landscapes, sustainability and the city.
Week 15: Apr. 21 to Apr. 26	City environment and living conditions.
Week 16: Apr. 28 to Apr. 30	Urban development strategy with particular reference to India.
Week 17: May 01 to May 05	Revision

GOVT. COLLEGE JASSIA (ROHTAK)
LESSON PLAN FOR THE SESSION 2024-25

Class: M.A. 2nd Sem.

Name of Teacher: Dr. Joginder Singh

Subject: Computer Aided Statistical Diagrams and Digital Cartography

Week, Month	Topics covered
Week 1: Jan. 07 to Jan. 11	Introduction to Computer: Components of Computer.
Week 2: Jan. 13 to Jan. 18	Use of Computers in Geography
Week 3: Jan. 20 to Jan. 25	Introduction to Microsoft Excel: Input of data.
Week 4: Jan. 27-31 & Feb. 01	Bar Diagram, Pie Diagram, scatter diagram, line graph
Week 5: Feb. 03 to Feb. 08	Placement of heading and subheadings,
Week 6: Feb. 10 to Feb. 15	legend, font style, bold, italics
Week 7: Feb. 17 to Feb. 22	Changes from colour to different shade pattern to X and Y Coordinates.
Week 8: Feb. 24-28 & Mar. 01	Revision
Week 9: Mar. 03 to Mar. 08	File Checking
Mar. 09 to Mar. 16	HOLI VACATIONS
Week 10: Mar. 17 to Mar. 22	Cartography as the root of GIS, Introduction to GIS Software's Arc GIS or GIS.
Week 11: Mar. 24 to 29 & 31	Data Acquisition and Processing: Spatial Data download from open sources, Data input; layer stacking, correction editing and manipulation.
Week 12: Apr. 01 to Apr. 05	Verification and storage, Georeferences: Maps to maps, maps to images, Images to Images
Week 13: Apr. 07 to Apr. 12	Geo database Creation: Digitization of Point, line and Polygon features.
Week 14: Apr. 14 to Apr. 19	Data conversion Raster to Vector and Vector to Raster, linking of Attribute data with spatial data
Week 15: Apr. 21 to Apr. 26	Map Layout design and labeling of basic elements, making maps
Week 16: Apr. 28 to Apr. 30	Topographic, Thematic, Qualitative and Quantitative
Week 17: May 01 to May 05	Revision and file Checking

GOVT. COLLEGE JASSIA (ROHTAK)
LESSON PLAN FOR THE SESSION 2024-25

Class: B.A. 2nd Sem.

Subject: Computer Geospatial Data: Open data Sources

Name of Teacher: Dr. Joginder Singh

Week, Month	Topics covered
Week 1: Feb. 01 to Feb. 07	Geospatial data: Definition and Concept
Week 2: Feb. 08 to Feb. 14	Types of geospatial data: Vector and Raster
Week 3: Feb. 14 to Feb. 21	Sources of Open data: Bhuwan, USGS/GLCF
Week 4: Feb. 22-28 & March. 01	Google Earth Engine
Week 5: Mar. 03 to Mar. 08	Survey of India Toposheets and its nomenclature.
Mar. 09 to Mar. 16	HOLI VACATIONS
Week 06: Mar. 17 to Mar. 22	Obtaining open data from Bhuwan,
Week 07: Mar. 24 to 29 & 31	USGS/GLCF,
Week 08: Apr. 01 to Apr. 05	Google Earth Engine.
Week 09: Apr. 07 to Apr. 12	Survey of India Toposheets
Week 10: Apr. 14 to Apr. 19	Revision of first two units
Week 11: Apr. 21 to Apr. 26	File Checking
Week 12: Apr. 28 to Apr. 30	Application of Open Source data
Week 13: May 01 to May 05	Mapping of Land Use/Land Cover.
Week 14: May 06 to May 13	Change (Built up area, water bodies, agricultural land and natural vegetation)
Week 15: May 04 to May 21	File Completion
Week 16: May 21 to May 28	File Completion
Week 17: May 29 to May 31	Revision and file Checking

GOVT. COLLEGE JASSIA (ROHTAK)

Session 2024-25 (EVEN SEMESTER)

NAME OF PROFESSOR-MRS. PREETI

DESIGNATION-ASSISTANT PROFESSOR

SUBJECT/PAPER - Regional Development and Planning

CLASS-M.A. IInd Sem

Course Code -24GEO202DS02

SR. NO	MONTH	TOPICS TO BE COVERED	Classroom Activities
1.	07 January	Conceptual and theoretical framework: Concept of development, regional development; concept of region and regional planning; geography and regional planning; selection of indicators and measures of regional disparities.	Syllabus discussion
2.	February	Regional Growth Theories: Friedman's core-periphery theory; polarization and trickle-down effect theory of Hirschman; circular and cumulative causation model of Myrdal; growth pole theory of Perroux.	Group Discussion about different Theories impacts in real world
3.	March	Planning process: types of planning; regional planning and its rationale, principles and objectives. Regions for Planning: characteristics, hierarchy, need, and demarcation; Planning regions of India.	Class Test
4.	April	Experiences of regional development and planning in India, multi-level planning (state, district, block and panchayat level planning); Regional Policies in the Indian Five-Year Plans; planning policies for regional development	PPT Presentation
5.	May	regional backwardness: criteria, strategy and programmes for backward area development.	Revision and Class Test

GOVT. COLLEGE JASSIA (ROHTAK)

Session 2024-25 (EVEN SEMESTER)

NAME OF PROFESSOR-Mrs. Preeti

DESIGNATION-ASSISTANT PROFESSOR

SUBJECT/PAPER -GEOGRAPHY

CLASS-B.A. VIthSem

Introduction to Remote Sensing, GIS & Quantitative Methods

SR. NO.	MONTH	TOPICS TO BE COVERED	Classroom Activities
1.	7 January	Introduction to Aerial Photographs: their advantages and types. Elements of aerial Photo interpretation.	Discussion on Syllabus and changing role and nature of Geography.
2.	February	Introduction to Remote Sensing; Electromagnetic spectrum, stages in remote sensing, types of satellites. Types of Imageries and their application in various fields such as agriculture, environment and resource mapping	Class discussion and Presentation. Assignment-I. Class-test.
3.	March	Introduction to Geographical Information System: Definition, purpose, advantages and software and hardware requirements. Application of GIS in various fields of geography. Measure of Central Tendency: Mean, Median and Mode	Intra-class quiz competition. Discussion on career opportunities in Remote Sensing and GIS. Assignment-II Class test.
4.	April	Measure of Dispersion: Range, Quartile deviation and Mean deviation, Standard deviation, Coefficient of variation	Revision and Practice of Statistics. Class Test.

TWO ASSIGNMENTS AND ONE UNIT TEST WILL BE TAKEN AS PER SCHEDULE.

GOVT. COLLEGE JASSIA (ROHTAK)

Session 2024-25 (EVEN SEMESTER)

NAME OF PROFESSOR-MRS. PREETI

DESIGNATION-ASSISTANT PROFESSOR

SUBJECT/PAPER -Geography of World Economy

CLASS-M.A. IInd Sem

Course Code -24GEO202DS01

SR. NO.	MONTH	TOPICS TO BE COVERED	Classroom Activities
1.	07 January	Economic Geography: The Stuff of Economic Geography, A brief history, Why Economic Geography? Modes of Theorizing in Economic Geography: Political Economy, Poststructuralist Economic Geography.	Syllabus discussion
2.	February	Capitalism, Fundamental Concepts: Use-value, Exchange Value, Capital, Capital and Labour, Capital Accumulation, Capital Accumulation by Dispossession. Capitalism in Twentieth Century: Organized Capitalism, Disorganized Capitalism. Neo-Liberalism.	Group Discussion about different world powerful countries
3.	March	World Economy and the Capitalist mode of production, The Basic Elements of World Economy: A Single Market, a Multiple State System, the Three-tier structure; A Space- Time Matrix of the World Economy, Dynamics of World Economy, Spatial Structure of the World Economy.	Class Test Assignment-I
4.	April	Economic Development: Globalization or Internationalization, Patterns of International Trade	PPT Presentation Assignment-II Revision
5.	May	WTO and Developing Countries.	Revision and Class Test

GOVT. COLLEGE JASSIA (ROHTAK)

Session 2024-2025 (Even Semester)

Name of Professor: Mrs.Archana

Designation: Assistant Professor

Class-M.A. 2nd Sem

Paper –Environmental Geography

Course Code 24GEO202DS03

Sr. No.	Month	Topics to be covered	Classroom activities	Remarks if any
1.	07 th January to 31 st January	Environmental Geography: Nature and scope of environmental geography; fundamental concepts of environmental geography; Approaches and methods in Environmental Geography; Relationship with other branches of knowledge; Environment and Ecology: Meaning, structure and type of Environment; Ecology - meaning, scope and concepts. Sub-vision of ecology.	Introduction to Environmental Geography	
2.	February	Ecosystem: Meaning and concepts of ecosystem; Classification and components of eco- system; trophic structure; ecological pyramid; energy flow and biogeochemical cycle; Ecological regions of India.	Video Class on Ecosystem Assignment-I. Class Test	
3.	March	Environmental pollution- meaning, types, sources, causes and impacts; Air, Water and Land pollutions; Environmental Degradation – Nature, process, types and causes of environmental degradation; Greenhouse effect; Global warming; Ozone depletion and Desertification.	Intra class Quiz Competition Presentation on Assignment -II Revision and class test	

4.	April	Environmental management: concept, methods and approaches; Management of soil, forest and mineral resources; Disaster Management; Conservation of natural resources; Emerging environmental problems and issues in India; Environmental policies, programmes, awareness and movements in India.	Discussion on exam strategy.	
5.	May	Revision and class test.		

TWO ASSIGNMENTS AND ONE UNIT TEST WILL BE TAKEN AS PER SCHEDULE.

Signature of A/Prof.

GOVT. COLLEGE JASSIA (ROHTAK)

Session 2024-2025 (Even Semester)

Name of Professor: Mrs.Archana

Designation:Assistant Professor

Subject/Paper: Geography

Class-B.A. IVth Sem

Paper -203 Human Geography

Sr. No.	Month	Topics to be covered	Classroom activities	Remarks if any
1.	07 th January to 31 st January	Nature, scope, branches and approaches of Human Geography, Spatial distribution of race and tribes of India. Division of Mankind: Spatial distribution of race and tribes of India;	Introduction to Human Geography. Debate on Dualism in Geography	
2.	February	Concept of men-environment relation: A historical approach; Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman (iii) Plateau – Gonds (iv) Mountains – Gujjars. Meaning, nature and components of resources; Classification of resources – renewal and non- renewable; biotic and abiotic, recyclable and non-recyclable. Distribution, utilization and conservation of biotic (flora and fauna) and abiotic (water, minerals and energy) resources	Video Class on tribal life Assignment-I. Class Test	
3.	March	Distribution and density of world population, population growth, fertility and mortality	Intra class Quiz Competition Presentation on Assignment -II	

		patterns. Concept of over, under and optimum population; Population theories: Malthus, Ricardo and Marx	Revision and class test	
4.	April	Rural settlements: Meaning, classification and types. Urban settlements: Origin, classification and functions of towns. 8. Population pressure, resource use and environment degradation; sustainable development, concept of deforestation, soil erosion, air and water pollution.	Discussion on exam strategy.	
5.	May	Revision and class test.		

TWO ASSIGNMENTS AND ONE UNIT TEST WILL BE TAKEN AS PER SCHEDULE.

Signature of A/Prof.