

Government College For Women, Mahendragarh, Haryana, 123029

Department of Geography

Name Of The Extension Leturer : Mrs.Manju Yadav

Class : M.Sc. Semester III 16 Weeks (1 August to 1 Dec.): 24L6.5-GEO-303

Urban Geography

Session : 2025-26

Subject Lesson Plan:

Week 1 Urban Geography- nature, scope, importance and historical development.

Week 2 Urbanization- factors, processes, and stages, difference between urbanization and urbanism.

Week 3 Trends and global patterns in urbanization.

Week 4 Urban systems and their classification; urban hierarchy and central place theory (Christaller and Losch).

Week 5 Urban morphology and its significance; Models of urban land use- Burgess, Hoyt, and Harris-Ullman.

Week 6 Urban fringe and suburbanization, urban sprawl- causes, consequences, and management.

Week 7 Concept of city region and primate city, types of world's cities according to Tailor and Dickinson.

Week 8 Concept of the smart cities and sustainable urban development, and urban transformation Concepts of Megacities, Global Cities and Edge Cities.

Week 9 Urban ecology- concept and implications. Urban problems with special reference to waste management,

Week 10 slums and poverty (causes, consequences and solutions).

Week 11 Programme, policy, planning and sustainable urban development in India, challenges in urban planning, land acquisition and displacement, future directions in urban planning in India.

Week 12 Assignment & Test.

Week 13 Assignment & Test.

Week 14 Assignment & Test.

Week 15- Repetition & Problem Solving...

Week 16- Repetition & Problem Solving...

Department of Geography
Name Of The Extension Leturer : Mrs.Manju Yadav
Class : M.Sc. - Semester I
Session : 2025-26

Subject Lesson Plan: 15Weeks (9 August to 1 Dec...): 24L6.0-GEO-102 Principles of Climatology

Week 1) Introduction to climatology and meteorology; Concepts of weather and climate.

Week 2 Origin, composition and structure of atmosphere. Temperature, Solar radiation, insolation and heat budget.

Week 3 Atmospheric pressure and its distribution pattern.

Week 4 Theories of general circulation and planetary winds.

Week 5 Monsoons and Jet streams . Walker circulation- La Nina, El Nino and ENSO

Week 6 Atmospheric Moisture: humidity, evaporation, condensation; Precipitation formation theories, types of precipitation and clouds

Week 7 Stability and instability of atmosphere, air masses and fronts . Weather systems: origin and characteristics of extra tropical and tropical cyclones.

Week 8 Climatic classification: bases of climatic classification by Koeppen, Trewartha and Thornthwaite.

Week 9 Climatic change: pattern, evidences and theories of climate change

Week 10 Global warming: theories, causes and impacts on earth systems. Greenhouse effect and acid rain: causes, consequences and remedies, glacial lake outburst.

Week 11 Assignment & Test.

Week 12 Assignment & Test.

Week 13 Assignment & Test.

Week 14 Assignment & Test.

Week 15- Repetition & Problem Solving...

Department of Geography
Name Of The Extension Leturer : Mrs.Manju Yadav
Class : B.Sc. - Semester I
Session : 2025-26

Subject Lesson Plan: 16Weeks (1 August to 1 Dec.): 24L4.5-GEO-103General Geography of Haryana

Week 1 Physiography, relief and climate of Haryana.

Week 2 Drainage, soils and natural vegetation.

Week 3. Agriculture: cropping pattern and challenges.

Week 4 Major industries and industrial centres of Haryana.

Week 5 Population: distribution, density and growth.

Week 6 Population composition: structure and literacy

Week 7 Pattern of trade and transport.

Week 8 Cultural regions of Haryana.

Week 9 Repetition & Problem Solving...

Week 10 Repetition & Problem Solving...

Week 11Assignment & Test.

Week 12 Assignment & Test.

Week 13 Assignment & Test.

Week 14 Assignment & Test.

Week 15- Repetition & Problem Solving...

Week 16- Repetition & Problem Solving...

Department of Geography
Name Of The Extension Leturer : Mrs.Manju Yadav
Class : B.A. - Semester I
Session : 2025-26

Subject Lesson Plan: 16Weeks (1 August to 1 Dec.): 24L4.5-GEO-101 Physical Geography

Week 1 Interior of the earth, geological time scale, rock their types.

Week 2 Theory of isostasy, continental drift and plate tectonic;

Week 3. earthquakes and volcanoes.

Week 4 Degradational processes: weathering, mass wasting and resultant landforms.
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Week 5 Landforms generated by following geomorphic agents
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Week 6 river, under-ground water, wind and glacier.
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Week 7 Weather and climate: Atmosphere-composition and structure.
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Week 8 . Atmospheric temperature, pressure and moisture: measurement and distribution.
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Week 9 Surface configuration of ocean floors: surface relief of the Pacific, Atlantic and Indian Ocean.
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Week 10 Circulation of oceanic waters: current of the Pacific Atlantic and Indian Ocean.

Week 11 Assignment & Test.

Week 12 Assignment & Test.

Week 13 Assignment & Test.

Week 14 Assignment & Test.

Week 15- Repetition & Problem Solving...

Week 16- Repetition & Problem Solving...

Department of Geography
Name Of The Extension Leturer : Mrs.Manju Yadav
Class : B.A. - Semester I Practical
Session : 2025-26

Subject Lesson Plan: 16Weeks (1 August to 1 Dec.): 24L4.5-GEO-103General Geography of Haryana

Week 1 Identification and collection of rock samples: granite, basalt, laterite, limestone, shale, sandstone, conglomerate, slate, phyllite, schist, gneiss, quartzite (1 exercise)

Week 2. Extraction of physiographic information from Survey of India 1:50000 topographical maps of mountain,

Week 3 plateau and plain regions (2 exercises).

Week 4. Measurement of weather elements using analogue instruments: temperature (maximum, minimum and mean) relative humidity, rainfall and preparation of climograph,

Week 5. hythergraph and hyetograph (3 exercises).

Week 6 Interpretation of a daily weather map of India:

Week 7. PreMonsoon, Monsoon and Post-Monsoon (2 exercise)

Week 8 Repetition & Problem Solving...

Week 9 Repetition & Problem Solving...

Week 10 Repetition & Problem Solving...

Week 11Assignment & Test.

Week 12 Assignment & Test.

Week 13 Assignment & Test.

Week 14 Assignment & Test.

Week 15- Repetition & Problem Solving...

Week 16- Repetition & Problem Solving...

Department of Geography
Name Of The Extension Leturer : Mrs.Manju Yadav
Class : B.A. - Semester V Practical
Session : 2025-26

Subject Lesson Plan: 16 Weeks(1 August to 1 Dec.): (Paper 302 Distribution Maps and Diagrams (Practical))

Week 1

Principal of map design and layout

Week 2 Symbolization: point, line and area symbol

Week 3 Lettering and toponomy

Week 4 Mechanics of map construction

Week 5 Distribution maps

Week 6 (i) Qualitative distribution maps

- Choroschematic maps- 1 Exercise

Week 7 Chorochromatic maps- 2 Exercise

(ii) Quantitative distribution Maps

Week 8

Isopleth maps-3 Exercises

- Choropleth maps-3 Exercises

Week 9

Dot maps-3 Exercises

Week 10 Diagrammatic maps- 3 Exercises.

Week 11 Diagrammatic maps- 3 Exercises.

Week 12 Diagrammatic maps- 3 Exercises.

Week 13 Prismatic Compass Survey – 2 Exercises.

Week 14 Prismatic Compass Survey – 2 Exercises.
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Week 15- Repetition & Problem Solving...

Week 16- Repetition & Problem Solving...
