

CURRICULUM PLAN, 2025-2026

B.A. (Hons.) Geography

Semester –VII

Name of the Teacher-Dr. Usha K. Pathak and Dr. Geeta Kumari

Paper Name- Tools and Techniques in Regional Planning and Development

<i>Unit No.</i>	<i>Name of Topic</i>	<i>Tutorial/Assignment/Presentation etc.</i>	<i>Allocation of Lectures</i>	<i>Assessment Tasks</i>	<i>Teaching and Learning Activity</i>
2	Measuring Regional Development	<ul style="list-style-type: none">• Calculating and mapping indices of HDI, GDI, PQLI at different spatial scales• Measuring regional disparity using Sopher's Disparity index• Measurement of inequality using Gini Coefficient, Lorenz Curve and Location Quotient	(30) 1st Aug-15 September 2025	Hands - on Exercise	Classroom Lectures, PPTs, discussions

3	Regional Planning in Practice	<ul style="list-style-type: none"> • Delineation of formal regions by Weighted Index Technique / Weavers Technique from available data base; • Delineation of functional regions by Breaking Point Analysis/ Gravity Analysis/ Transport Network Analysis from available database • GIS Techniques for demarcating planning and development regions using available GIS software 	(30) 16th Sep 20 th Oct 2025	Hands - on Exercise	Classroom Lectures, PPTs, discussions
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4	Designing Development: Use of AI and ML	<ul style="list-style-type: none"> • SWOT Analysis • 3 D Regional Developmentscape visualization • Site Suitability Analysis/Nearest Neighbour Analysis using available database and software 	(30) 23 rd Oct– 20th Nov 2025	Hands - on Exercise	Classroom Lectures, PPTs, discussions,
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