**Government College for Women, Mahendragarh, Haryana, 123029**

Department of Geography

Name of the Assistant Professor**: Sh. Naveen Kumar**

M.Sc. Final (3rd Semester) Session: 2025-26

Lesson Plan: 16 Weeks (Aug 11to Nov 29): **Geog of world and Economic System.**

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| **Week** | **Topics** |
| Week1 | Nature, Scope |
| Week3 | Economic man, good and service |
| Week4 | Production exchange and consumption |
| Week5 | Imp. of consumption in economy |
| Week6 | Space of consumption street, mall and theme park |
| Week7 | Impact of changing landscape |
| Week8 | World economies bases and classification |
| Week9 | Economic dev. goal and measures |
| Week10 | Stages of economic dev ; rostow and romer model |
| Week11 | Network structure and economic activates |
| Week12 | Impact of transport on economic activates |
| Week13 | Weber and loach and smith theories |
| Week14 | w. Christallar and ullman theories |
| Week15 | Globalization and its recent trends |
| Week16 | Trade blocks ; SAARC,ASEAN,OPEC, EU, trips and GATT and WTO |
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M.Sc. Final (3rd Semester) Session: 2025-26

Lesson Plan: 16Weeks (Aug 01 to Nov 30): **Remote Sensing and GIS**

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| **Week** | **Topics** |
| Week 1 | GIS:-Definition, scope, components |
| Week 2 | and elements Geoid and spheroid |
| Week 3 | coordinate projection system UTM implication and transformation in GIS. |
| Week 4 | Geographic Entities:- Line, polygon, and point |
| Week 5 | Raster and vector data format |
| Week 6 | Spatial and Non spatial data, DBMS |
| Week 7 | Generation of Geo Data Base Spatial Topology |
| Week 8 | Generation of Geo Data Base Spatial Topology |
| Week 9 | Spatial analysis: - Overlay, Neighborhood. Proximity analysis |
| Week 10 | Integration of raster and vector data, map Production |
| Week 11 | GIS and cartography Bertin”s visual variables GPS concepts and principles |
| Week 12 | GPS Segments Space ,control and user GPS Devices handling Differential GPS |
| Week 13 | Handling Differential GPS |
| Week 14 | Navstar, |
| Week 15 | Galilo GAGAN |
| Week 16 | Application of GPS |

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M.Sc. Final (3rd Semester) Session: 2025-26

Lesson Plan: 17 Weeks (Aug 01 to Nov 30): **Regional Development Planning with Special Reference to India**

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| Week 1 | Region :- concept, types and delineation. |
| Week2 | Planning – concept, causes, consequences and types |
| Week3 | Regional Planning :- nature , concept and problems, role of geography and geospatial technology |
| Week4 | Types of regional planning and causes of failures |
| Week5 | Planning regions need, characteristics and hierarchy and demarcation |
| Week6 | Theories of regional dev. trickle down ,growth pole cumulative caustion model, core periphery theory |
| Week7 | Regional disparity in India |
| Week8 | Regional planning in India causes and consequences |
| Week9 | Planning region in india;- meso, micro, meso |
| Week10 | Rural development |
| Week11 | Metro Politian planning :- NCR |
| Week12 | Balance and unbalance growth |
| Week13 | Five years plans |
| Week14 | NITI ayog |
| Week15 | Role of regional planning in national development |
| Week16 | Planning in rural area and backward area |

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Class : B.A. Final- Vth Sem. Session - 2025-26

Lesson Plan**:** 16 Weeks (Aug 01 to Nov 30): **Geog Economic Geog. (301)**

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| Week1 | Definition and views of scholars on economic geography |
| Week2 | Nature, Scope |
| Week3 | Economics and other Branches of Social Sciences |
| Week4 | Economic Activities’ impact on environment |
| Week5 | World natural resources- Types |
| Week6 | World natural resources- Types, |
| Week7 | Classifications |
| Week8 | Bases and classification |
| Week9 | Conservation of soil, water , air and forests |
| Week10 | Conservation utilization of natural resources |
| Week11 | Spatial distribution of food (rice and wheat) |
| Week12 | Classification of mineral resources (ferrous and non -ferrous |
| Week13 | Commercial (cotton and sugarcane) and plantation crops (tea, rubber and coffee |
| Week14 | Distribution and production of coal, iron ore, petroleum and natural gas. |
| Week15 | Classification of industries, world distribution and production of iron and |
| Week16 | Textile industry, major industrial complexes of the world. Transport, communication and trade: geographical factors in their development |

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M.Sc. Final (3rd Semester) Session: 2025-26

Lesson Plan: 16 Weeks (Aug 01 to Nov 30): P**ractical’s**

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| Week 1 | Significance of field work in Geography. |
| Week 2 | identification of research problem |
| Week 3 | formulation of research design in geography |
| Week 4 | Source of data, Types of data |
| Week 5 | Collection of primary data |
| Week 6 | land use and cover maps |
| Week 7 | Sampling types and size |
| Week 8 | Imp. of socio eco survey, Research problems and research deigns |
| Week 9 | Primary data :- Source and collection method, Secondary data :- source and collection method |
| Week 10 | Interview and questionnaires, case study, Processing and analysis of data |
| Week 11 | Processing and analysis of data |
| Week 12 | Field visit and data collections |
| Week 13 | Analysis and writing of report |
| Week 14 | Correction of Reports of students |
| Week 15 | Checking of field reports |