

Lesson Plan (Year 2022-2023)

M.A. Sem III (Geography)

Paper – XI

“Population Geography”

S.No.	Month	Unit	No. of Periods Needed	Proposed Syllabus	Topic
1	July	I	20		<ul style="list-style-type: none">● Definition and Scope of Pop. Geo.● Study of Population in Geography.● Definition of Population Geography● Relation with other subjects of S.S.● Approaches of Pop. Geography● Historical Development of Population Geography● Sources of population Data● Census and its history
2	August	II	12		<ul style="list-style-type: none">❖ Distribution of Population →● Concept of Population density● Factors affecting Population Distribution● Distribution and Density of population in Europe, Asia and in India.
3	September	II	12		<ul style="list-style-type: none">● Growth Of Population →● Measure of Decennial rate and● Measure of annual rate of Population growth.● Prehistoric and modern trends of Population growth.● Regional aspects of Population growth in India.● Demographic Transition in India.
4	October	III	8		<ul style="list-style-type: none">❖ Population Composition →● Population composition in terms of age and sex, rural, urban residence, educational status and occupational structure.● Fertility and Mortality of population:

					<ul style="list-style-type: none"> • Significance and factor. Indices and rates. • Human Development Index and its Components
5	November	IV	8		<ul style="list-style-type: none"> • Population Composition • Causes, characteristics and types. Methods of estimating value of internal migration. • Important international migrations of the world. • internal migration in India • Population and Resources: Population-Resource regions • Population Regions: Concept and methods, population regions of India, population policies of India.

Lesson Plan (Year 2022-2023)
M.A. Sem III (Geography)
Paper – XII

“SETTLEMENT GEOGRAPHY”

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S.No.	Month	Unit	No. of Periods Needed	Teaching method	Topic
1	July	I	12		<ul style="list-style-type: none"> • Meaning, Objectives and Scope of Settlement Geography • Evolution, Distribution, Types and Patterns of Rural Settlements • Rural House Types • Rural Service Centers.
2	August	I	16		<ul style="list-style-type: none"> • Definition, objective and scope of urban geography. General Name of city structure.

					<ul style="list-style-type: none"> • General Name of city structure •
3	September	II	12		<ul style="list-style-type: none"> • Evolution and growth of urban settlements • The Geographical setting of Urban Centers • Site, Situation and Location. • Rank-size relationship; Cities as Central Places, Central Place Theory, Growth Pole Theory. • City-Country Relationship : Umland, Rural-Urban Fringe.
4	October	III	8		<ul style="list-style-type: none"> • Internal structure morphology and land use. • theory of Urban structure the Concentric zone Theory, The Sector Theory, the Multiple Nuclei Theory. • Commercial Structure of Cities; The Central Business District (CBD). • Centrifugal and Centripetal forces in Geography, • Economic Base of Towns; Basic, Non-basic concept.
5	November	V	12		<ul style="list-style-type: none"> • Urban Functions; Functional Classification of Towns: • Webb, Harris, and Nelson Contemporary Urban Planning; • Types and elements, • Urban problems • Blight and Renuwal, Land use Planning, Urban and Metropolitan Planning in India.

Lesson Plan
M.A. Sem III (Geography)
Paper-XIII (A)

“ REMOTE SENSING TECHNIQUES”

S.No.	Month	Unit	No. of Periods Needed	Teaching method	Topic
1	August	I	8	Lecture Black Board Discussion ICT	<ul style="list-style-type: none"> • Historical development of remote sensing as a technology – • Relevance of remote sensing in Geography – • Concepts and basics: Energy source, energy and radiation principles, energy interactions in the

					<p>atmosphere and earth surface features,</p> <ul style="list-style-type: none"> • remote sensing systems: • platform sensors and radiation records. Microwave sensing interpretation of SLAR imageries, thermal imageries.
2	September	II	8	Lecture Black Board Discussion ICT	<ul style="list-style-type: none"> • Remote Sensing Satellite: platforms LANDSAT, SPOT, NOAA, RADARSAT, IRS, INSAT • principles and geometry of scanners and CCD arrays, • orbital characteristics and data products - MSS, TM, LISS I & II, SPOTPLA & MLA, SLAR. Recent trends in Satellite & Sensor System (World & India)
3	October	III	8	Lecture Black Board Discussion ICT	<ul style="list-style-type: none"> • Image Processing: Types of imagery, techniques of visual interpretation, ground verification transfer of interpreted thematic information to base maps-digital processing: • rectification and restoration, image enhancement - contrast manipulation, Classification: • Supervised and Unsupervised, post-classification analysis and accuracy assessment. • Selection of appropriate data for different applications
4	November	IV	8	Lecture Black Board Discussion ICT	<ul style="list-style-type: none"> • Applications : Air photo and image interpretations : • mapping land use and land cover, land evaluation, urban land use, landform and its processes • weather studies and studies of water resources : integration of Remote Sensing and GIS. • Remote sensing and hazard management, remote sensing and environmental management.

Lesson Plan
M.A. Sem III (Geography)
Paper XIV

“RESEARCH METHODOLOGY”

S.No.	Month	Unit	No. of Periods Needed	Teaching method	Topic
1	August	I	8	Lecture Black Board Discussion ICT	<ul style="list-style-type: none"> ● Research Methodology-An Overview ● Procedure of scientific Research, ● Defining Research Problem ● Formulating Hypothesis ● Research Design.
2	September	II	8	Lecture Black Board Discussion ICT	<ul style="list-style-type: none"> ● Methods of Data Collection: Observation, Questionnaire ● Schedule and Interview ● Sampling: Sampling Methods, Size of Sample
3	October	III	8	Lecture Black Board Discussion ICT	<ul style="list-style-type: none"> ● Processing and Analysis of Data: ● Processing- Editing, Coding, Classification and Tabulation ● Analysis ; Measurement of Central Tendency ● Dispersion, Correlation
4	November	IV	8		<ul style="list-style-type: none"> ● Preparation of Research Reports: Steps, Layout and Types of Reports

