



**MASTER OF SCIENCE IN APPLIED STATISTICS**  
**M. Sc. Applied Statistics, Semester – II**

Course Code	PS02EAST52	Title of the Course	OFFICIAL STATISTICS AND DEMOGRAPHY
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"> <li>Students should know Indian statistical systems, roll of CSO, NSSO. Collection of Agricultural data, industrial data and analyses of these data.</li> <li>Familiar with basic concepts and sources of data in Demography and also will be able to comprehend the processes and events in Demography and their interactions. The course also tries to discuss the various factors affecting population growth</li> </ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Introduction to Indian and International statistical systems. Role, function and activities of Central and State statistical organizations. Organization of large scale sample surveys. Role of National Sample Survey Organization. General and special data dissemination systems.	25
2.	System of collection of Agricultural Statistics. Crop forecasting and estimation, productivity, fragmentation of holdings, support prices, buffer stocks, impact of irrigation projects. Statistics related to industries, foreign trade, balance of payment, cost of living, inflation, educational and other social statistics.	25
3.	Definitions, Origin and Scope of Demography, Sources of Demographic Data-Census, Vital Registration System, Population Register and Sample Surveys Population composition-Age, Sex, Religion, Caste, Education, Language, Income	25
4.	Population Scenario of India-History of population growth-Population size and growth in states Components of population change-Fertility, Mortality and Migration, Causes and consequences of change Migration and Urbanisation – Types of migration, factors affecting migration, causes and consequences of urbanization	25
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Teaching-Learning	
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Methodology	
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	comprehend the basic concepts and definitions in Demography.
2.	identify the various sources of data in Demography.
3.	describe the population growth scenario of the world, India and its states.
4.	relate the history of population growth to the present day structure and composition of population.

Suggested References:	
Sr. No.	References
1.	Guide to Official Statistics, CSO, India
2.	Saluja M. R. (1972). Indian Official Statistical Systems, Statistical Pub. Society.
3.	Ramakumar.R and Gopal Y S: Technical demography – New Delhi: Wiley Eastern, 1986
4.	Shrivastava O S: A text book of demography with economics of man power supply and manpower demand, New Delhi: Vikas, 1983
5.	Sinha and Zachariah: Elements of Demography





On-line resources to be used if available as reference material

On-line Resources

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