



Pt. Ravishankar Shukla University Raipur (C.G.)

Syllabus for Ph. D. Entrance Examination Economics

Session - 2025 - 26

I. Statistics:

Measurements of central tendency (Mean, Median, Mode).

Skewness – Symmetrical and asymmetrical distribution, Measurement of Skewness– Karl Pearson's coefficient of skewness.

Correlation - Measurement of correlation, Karl Pearson's coefficient of correlation and Spearman's rank correlation, Probable error and standard error in correlation, Partial and multiple coefficient of correlation.

Probability – Meaning and definition, Permutation and combination, Types of events, measurement of Probability– addition and multiplication theorem, conditional probability.

Index Number - Fisher's Ideal Index Number Reversibility Test, Time Reversibility & Factor Reversibility, Chain Index No.

Time Series Analysis – Short period oscillation, Trend, Semi-average method, Moving average method, and Graphical presentation.

II. Research Methodology:

Research – Meaning and types of social research, Research methodology and research methods, main stages of statistical research, Research design.

Data: Type and Sources – Methods of Collections of Data, Primary & Secondary Data, Observation, Interview, Schedule and Questionnaire, Precautions while constructing questionnaire, editing primary and secondary data.

Hypothesis – Meaning and types of hypothesis, testing of hypothesis, parametric and non-parametric test, Z-test, F- test, t-Test and Chi square test, Errors - type I and Type II error.

Data Analysis – Analysis, Editing, classification, codification, tabulation, explanation, report writing and presentation of results. Bibliography, APA and MLA referencing style.

III. Indian Economy:

National Income - GDP and National Income of India – Components and Structure of GDP and National Income, Role of Primary, Secondary & Tertiary Sectors in GDP of India, National income and per Capita Income, Growth rates of GDP and Per Capita income.

Demographic Features of India and Chhattisgarh.

Agricultural Development - Agricultural Development in Indian Economy, Land-reforms in India, the Green Revolution, National Agricultural Policy, Food security in India.

Industrial Development - Industrial Development in India, Industrial Policies of 1956 and 1991, Public sector enterprises and their performance, Privatization and Disinvestment, MSMEs.

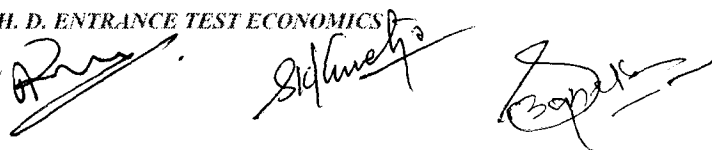
Planning in India – Objectives and strategies of planning, Five Year Plans, NITI Aayog, Development Strategy, LPG Model of Development,

Poverty and Inequality - Problems of Poverty and Inequality in India, The Concept of Poverty, Measurement and Estimation of Poverty in India, Poverty Eradication Programmes.

Unemployment - Problem of Unemployment in India- Nature of Unemployment, Various Schemes to Reduce the Unemployment.

Indian Finance System - Functions of the Reserve Bank of India, Commercial Banking system, Progress of Banking since 1969, Agricultural credit, Stock Exchange in India, Composition of Indian Capital Market, SEBI.

Foreign Trade of India - Foreign Trade since 1991, Structure and Direction of Foreign Trade, Balance of Payments of India, Trade Reforms in India.



Text Books:

1. Giri, Arunanshu & Debasish Biswas, Research Methodology for Social Science, SAGE Publications India Pvt. Ltd. 1st Edition 2019.
2. Kothari, C.R. and Gourav Garg, 'Research Methodology: Methods and Techniques', New Age International Publishers, New Delhi, 5th Edition, 2024.
3. Sharma, Dr. Ramnath, 'Methods and Techniques of Social Survey and Research, A Rajhans Publication.
4. Bajpai, Dr. S.R., 'Methods of Social Survey and Research' Kitab Ghar, Kanpur-3
5. मुखर्जी, रविन्द्रनाथ, सामाजिक शोध एवं सांख्यिकी, विवेक प्रकाशन, जवाहर नगर, दिल्ली – 7
6. शुक्ला एवं सहाय, परिमाणात्मक विधियां, साहित्य भवन पब्लिकेशंस, आगरा.
7. शर्मा, वीरेन्द्र प्रकाश, रिसर्च मेथडॉलॉजी, पंचशील प्रकाशन, जयपुर, राजस्थान
8. Ahulwalia, I. J. and I. M. E. Little (Eds.) 1999): India's Economic Reforms and Development (Essay honor of Manohar Singh), Oxford University Press, New Delhi.
9. Brahmananda, P. R. and V. R. Panchmukhi (9th Eds.) (2001): Development Experience in the Indian Economy: Interstate Perspectives, Book well, Delhi.
10. Chakravarty, S. (1987): Development Planning: The Indian Experience, Oxford University Press, New Delhi.
11. Dantwala, M. L. (1996): Dilemmas of Growth: The Indian Experience, Sage Publication, New Delhi.