

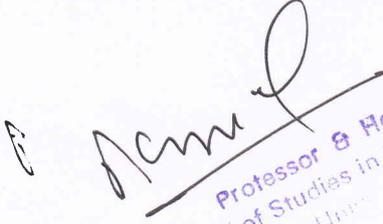
Pt. Ravishankar Shukla University, Raipur (C.G.)

Syllabus for Ph. D. (Economics) Entrance Examination

Statistics : Definition of Statistics, Importance and Limitations of 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. Regression analysis – regression and correlation, regression lines and regression coefficient, regression equations. Multiple regression analysis (up to three variables). Standard error of the estimates. Association of Attributes – Meaning and types of association, Consistency of data, methods of determining association – method of comparison of proportion, coefficient of association using Yule’s method, 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.

Research Methodology : Research- meaning, types and motivation of research, Research methodology and research methods, main stages of statistical research, Statistical investigation, Census and sampling methods of statistical investigation, Statistical data, Collections of Data, Primary & Secondary Data. Precautions while constructing questionnaire, editing primary and secondary data. Methods of sampling, random and Non- random sampling methods, Computer: different parts of a computer: Hardware and software, types of computer, main characteristics of a computer, role of computer in economic research.

Indian Economy : 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. Saving, Investment and Capital formation Rates in India, Demographic Features of India and Chhattisgarh, Agricultural Development in Indian Economy, Land-reforms in India, the Green Revolution, National Agricultural Policy, Food security in India, Industrial Development in India, Industrial Policies of 1956 and 1991, Public sector enterprises and their performance, Privatization and Disinvestment, small scale sector and minor medium enterprises, Planning in India– Objectives and strategies


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of planning, Twelfth Five Year Plan, NITI Aayog, LPG Model, Poverty and Inequality in India, The Concept of Poverty, Measurement and Estimation of Poverty in India, Poverty Eradication Programmes, Problem of Unemployment in India- Nature of Unemployment, Various Schemes to Reduce the Unemployment, Balanced Regional Development Indicators, Causes, Changing Scenario and Policy Measures to remove Regional Disparity, Indian Finance System, Functions of the Reserve Bank of India, Commercial Banking system, Progress of Banking since 1969, Agricultural credit, 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. Kothari, C.R. and Gourav Garg, 'Research Methodology: Methods and Techniques', New Age International Publishers, New Delhi, 3rd Edition, 2014.
2. Sharma, Dr. Ramnath, 'Methods and Techniques of Social Survey and Research, A Rajhans Publication.
3. Bajpai, Dr. S.R., 'Methods of Social Survey and Research' Kitab Ghar, Kanpur-3
4. मुखर्जी, रविन्द्रनाथ, सामाजिक शोध एवं सांख्यिकी, विवेक प्रकाशन, जवाहर नगर, दिल्ली – 7
5. शुक्ला एवं सहाय, परिमाणात्मक विधियां, साहित्य भवन पब्लिकेशंस, आगरा.
6. शर्मा, वीरेन्द्र प्रकाश, रिसर्च मेथडॉलॉजी, पंचशील प्रकाशन, जयपुर, राजस्थान
7. Ahulwalia, I. J. and I. M. E. Litle (Eds.) (1999): India's Economic Reforms and Development (Essay honor of Manohar Singh), Oxford University Press, New Delhi,.
8. Bardhan, P. K. (9th Edition) (1998): The Political Economy of Development India, Oxford University Press, New Delhi.
9. Bawa, R.S. and Raikhy (Ed.) (1997): Structural Change in Indian Economy, Guru Nanak Dev University Press. Amritsar (PB).
10. Brahmananda, P. R. and V. R. Panchmukhi (9th Eds.) (2001): Development Experience in the Indian Economy : Interstate Perspectives, Bookwell, Delhi.
11. Chakravarty, S. (1987): Development Planning: The Indian Experience, Oxford University Press, New Delhi.
12. Dantwala, M. L. (1996): Dilemmas of Growth: the Indian Experience, Sage Publication, New Delhi.
13. Puri, V. K. and Mishra Indian Economy, (38th Revised & Updated Edition) Himalaya Publishing House, New Delhi, Jan. 2020.
14. Karuppiah, Sankarganesh, Indian Economy- Key concepts, (Sixth Edition) Mc Graw-Hill publications, Jan. 30, 2020.
15. Singh, Ramesh Indian Economy, (12th Edition) Mc Graw- Hill publications, July 18, 2020.


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