



**University of Rajasthan  
Jaipur**

**SYLLABUS**

**M.Phil.in Economics**

**(Semester Scheme)**

**Examination - 2020-21**

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Dy. Registrar  
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*[Signature]*

**M. Phil Syllabus**  
**(Compulsory) Paper V**  
**Econometric Methods**

**Module I**

Methods of Estimation, Different Functional Forms: log-log, Semi log, Reciprocal Transformation.

Tests for linearity, Models with Quantitative Dependents Variable, Probit, Logit and Tobit Models.

**Module II**

Introduction to Panel Data, Fixed Effects: Within and Between Groups. Unbalanced Panel and fixed Effects.

Random Effects: GLS, Testing for Random Effects.

**Module III**

Key Concepts of Time Series Econometrics, Properties of AR, MA and ARMA Processes.

Unit Root Tests, Co-integration and Error Correction Mechanism.

**Reference Books:**

1. D. M. Nachane, **Econometrics: Theoretical Foundations and Empirical Perspectives**, OUP.
2. Walter Enders, **Applied Econometric Times Series**, Wiley.
3. J. Jhonston, **Econometric Methods**, McGraw Hill.

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**M. Phil Syllabus**

**(Compulsory) Paper VI**

**Quantitative Economic Techniques**

**Module I**

Statistical Technique in Economic Research – Analysis of Variance, Multi Variate Regression Analysis – Estimation, Prediction, Interpretation.

**Module II**

Factor Analysis, Principle Component Analysis, Discriminate Analysis.  
Report Writing in Econometric Research.

**Module III**

Parametric and Non-Parametric Tests.

**Reference Books:**

1. Anderson, T. W. (1984): An Introduction to Multivariate Statistical Analysis, 2nd ed, John Wiley.
2. Morrison, D.F. (1976): Multivariate Statistical Methods, McGraw-Hill.
3. Nuirhead, R. J. (1982): Aspects of Multivariate Statistical Theory, John Wiley.

Department  
University of

PAPER - VII - DISSERTATION

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# M. Phil Syllabus

## (Optional) Paper VIII (i)

### Competition Policy and Regulation of Markets

#### Module – I

Competition Policy and Competition Law – Definition and objectives. Benefits of Competition Policy and its Relevance. The Goals of Competition Policy – Consumer Protection. Contents of Competition Law. Mergers and Monopolies.

#### Module – II

Competition Policy in India – Objectives and Relevance. National Competition Policy 2011. Sector Specific Exclusions and Regulated Industries. Regulatory Policy – Achievements and drawbacks.

#### Module – III

Competition Policy and Trade Policy in U.S., European Union, NAFTA, COMESA, MERCOSUR. Interface between Trade Liberalization and Competition Policy in the Global Economy. WTO debate on Trade and Competition Policies: the Developing Country Perspective. Trade and Competition – Future Challenges.

#### Reference Books:

1. "Competition Policy: Theory & Practice" by Massimo Motta, Cambridge University Press. Jan 2004, Business & Economics.
2. "Competition Policy and The Economic Approach". Edited by – Josef Drexel, Wolfgang Kerber, Podzun.
3. Competition Law in India: Policy Issues and Development by T. Ramappa, 2009.

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## M. Phil Syllabus

(Optional) Paper VIII (ii)

### Advanced Monetary System

#### Module – I

Financial market and economic growth. Indian money market: characteristics, role and importance. Call money market, Treasury bill Market, commercial bill market, Commercial paper and Certificate of deposits. Discount and Finance House of India and STCI.

Financial sector reforms – contexts, need and objectives. Issues, problems and challenges of financial sector reforms. Capital adequacy of Indian commercial banks and Basel norms, Asset quality and non-performing assets, profitability and operational efficiency of Indian Banks. Global financial crisis: impact and lessons for Indian Financial System.

#### Module – II

Government security market and strategies for the development of primary and secondary market in pre and post reform period.

Indian capital market – structure, role and growth of capital market in India. Problems and future challenges of this market. Role of SEBI in the regulation of Indian Capital Market.

Markets for futures, options and other financial derivatives.

#### Module – III

Structure and development of commercial banking of India since 1969. Branch expansion, deposit mobilization and deployment of credit. Introduction of the system of priority sector advances and social banking in India.

Development of Rural Banking in India: Concepts and challenges for future. Credit delivery and financial inclusion.

The RBI: Functions and changing role of RBI after new economic policy. Autonomy of RBI. Monetary policy of RBI. Growth v/s price stability.

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## M. Phil Syllabus

### (Optional) Paper VIII (iii)

#### Economics of Inclusive Growth

##### Module 1:

Economic Growth and Development, Growth Accounting. Theories of Economic Growth – Kaldor, Pasinetti and Solow Models, Optimal Savings and Ramsay's Rule, Golden Rule of Accumulation. Stability of Equilibrium Endogenous Growth Model – Intellectual Capital, AK Model, Explanations of Cross Country Differentials in Economic Growth.

##### Module 2:

Money in Economic Growth – Tobin, Patinkin and Johnson. Economic Growth and Institutions – Markets and Market Failure, State and State Failure, Issues of Good Governance.

Major Threats to Inclusive Growth; Poverty and Inequality – Measurement Issues, Lorenze Curve, Ginni Coefficient Sen's Poverty Index.

##### Module 3:

Approach to Inclusive Growth; A Review of Programmes and Policies Performance to Tackle Poverty, Inequality, Malnourishment and Unemployment. Livelihood Mission, M Naregs and Food Security: An Economic Evaluation.

##### Reference Books:

1. Ray, Debraj (2005): Development Economics, Oxford University Press, Delhi.
2. Robert J. Barrow and Xavier Sala-i-Martin (2004): Economic Growth, Prentice-Hall of India, Pvt. Ltd., New Delhi.
3. Thirlwall, A. P. (2006): Growth and Development, Eighth Edition, Palgrave Macmillan, New York.

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# M. Phil Syllabus

## (Optional) Paper VIII (iv)

### Modern Trade Theories and Policies

#### Module - I

Resources and Trade The Heckscher - Ohlin Model, Empirical evidence on H - O model, Factor Price equalization in practice. Imperfect competition and Intra - Industry Trade - its significance. New Trade Theories - Product differentiation, Technology Gap model, Product Life - Cycle Theory, Preference Similarity and Intra - Industry trade, Economies of Scale and monopolistic competition, Transport cost, Reciprocal dumping model and Gravity Model.

#### Module - II

Free trade v/s controlled trade, Instruments of Trade Policy - costs and benefits. New Protectionism - Export Subsidies and Europe's Common Agriculture Policy, Voluntary Export Restraints and Import Quotas in practice, Dumping - Anti Dumping as protectionism, Environment Issues and Labour Standards.

#### Module - III

Income distribution and trade policy. Trade Policy in developing nations - Import Substituting Industrialization, Problems of Dual economy, Export - Oriented Industrialization - the East Asian Miracle. Economic Integration and Regional Trade Areas.

#### Reference Books:

1. International Economics: Theory and Policy, Paul Krugman and Maurice Obstfeld, Pearson education.
2. International Economics, Dominick Salvatore, John Wiley and Sons.
3. International Economics, Bo Soderston and G. Reed.
4. The International Economy, P. T. Ellsworth and J. C. Leith.

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**M. Phil Syllabus**  
**(Optional) Paper VIII (V)**

**Computer Applications for Economic Analysis**

**Applications of Statistical and Econometric tools using SPSS, Stata, e-views**

**Packages.**

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