

<b>MA Part I SEM II</b>		
<b>Title of the course and Course Code :</b>	Micro Economics-II CC -	<b>Number of Credits : 03</b>
<b>Course Outcomes (COs)</b>		
<b>On Completion of the course, the Students will be able to :</b>		
CO1	Apply the concepts of micro economics such as demand, supply, revenue, cost, elasticity, etc.	
CO2	Compare and contrast various market structures and understand concept of equilibrium, price determination	
CO3	Understand the basic theories in microeconomics such as demand theory, production theory, market structures.	
CO4	Discuss and understand the modern developments in micro economics such as Game Theory.	
CO5	Evaluate microeconomic concepts, models and its use in real life situations	

Unit	CONTENTS OF THE COURSE	No. of Lectures
<b>1.</b>	<b>Monopolistic Competition</b> 1.1 Meaning and Features of Monopolistic Competition, Price and Non-price competition, Equilibrium under Monopolistic Competition. 1.2 Product Differentiation, Selling Costs and Excess Capacity. 1.3 Chamberlin's model of Monopolistic competition.	12
<b>2.</b>	<b>Oligopoly</b> 2.1 Introduction to Types of Oligopoly- Pure or Perfect Oligopoly, Imperfect or Differentiated Oligopoly, Collusive Oligopoly, Non-collusive Oligopoly. 2.2 Basic market structure of Oligopoly, Kinky Demand Curve, Price and Output Determination 2.3 Non-collusive oligopoly, Cournot-Bertrand Solution, Stackelberg Model, Edgeworth Model. 2.4 Collusive Oligopoly, Price Leadership, Cartels, 2.5 Concept of Duopoly.	16
<b>3.</b>	<b>Introduction to Game Theory</b> 3.1 Game Theory, Basic Concepts, Dominant Strategy Equilibrium, 3.2 Nash Equilibrium, Repeated and Sequential Games	10
<b>4.</b>	<b>Introduction to Welfare Economics</b> 4.1 Concept of Social Welfare 4.2 Pigou's Contribution to Welfare Economics 4.3 Pareto Optimality; Product Exhaustion Theorem (Euler's Theorem) 4.4 Social Welfare Function, Compensation Criteria 4.5 Amartya Sen- Social Choice and Welfare	16

5.	<b>Assignments / Internal Assessment (Total Marks: 50 – Written test 25 marks, for remaining 25 marks – Group Discussion / Debate / Field Visit / Oral Presentation / Assignments, etc.)</b>	<b>06</b>
<b>Total Number of Lectures</b>		<b>60</b>
<p><b>Learning Resources:</b></p> <ol style="list-style-type: none"> <li>1. Misra S.K. and V.K. Puri (2001): Advanced Microeconomic Theory, Himalaya Publishing House, New Delhi.</li> <li>2. Mansfield, E. (1997), Micro Economics, W. W. Norton and Company, New York.</li> <li>3. Mankiw, N.G. (2002), Principles of Economics, Thomson Asia Pvt. Ltd., Singapore.</li> <li>4. Salvatore, D. (2003), Micro Economics, Oxford University Press.</li> </ol> <p><b>Suggested Readings:</b></p> <ol style="list-style-type: none"> <li>1. Arthur O’Sullivan (2013) Micro Economics: Principles, Applications and Tools, Pearson Publication</li> <li>2. Dominick Salvatore (2003) Principles of Microeconomics, OUP, 5th Edition</li> <li>3. Hirschleifer J and A. Glazer (1997): Price Theory and Applications, Prentice Hall of India, New Delhi.</li> <li>4. James Gerber (2012) Microeconomics, Pearson Publication New Delhi</li> <li>5. Kreps, David, M (1990): A Course in Microeconomic Theory, Princeton University Press.</li> <li>6. Pindyck, Robert S Rubinfeld, Daniel L, Mehta, Prem (2009) Microeconomics, Pearson India</li> <li>7. Sen, A. (1999): Micro Economics: Theory and Applications, Oxford University Press, New Delhi.</li> <li>8. Stigler, G (1996): Theory of Price, Prentice Hall of India, New Delhi.</li> <li>9. Varian, Hal (1996): Intermediate Microeconomics, W.W. Norton and Company, New York.</li> <li>10. William J. Baumol and Alan H. Blinder (2005) Microeconomics-Principles and Policy</li> </ol> <p><b>Suggested Journals:</b></p> <p>Studies in Micro Economics- Sage Journal  The Indian Economic Journal- Sage Journal  Applied Economics- Taylor &amp; Francis Online</p>		

<b>MA Part I SEM II</b>		
<b>Title of the course and Course Code :</b>	<b>Public Finance -II CC -</b>	<b>Number of Credits : 03</b>
<b>Course Outcomes (COs)</b>		
<b>On Completion of the course, the Students will be able to :</b>		
CO1	Understand, apply and analyze concepts-public debt, budget, fiscal policy in public economics.	
CO2	Interpret the theories relating to public economics in real life situations.	
CO3	Discuss and debate on the public finance and policies w.r.t. India	
CO4	Develop an understanding of various policies in public economics like fiscal policy, public debt policy, fiscal finances, etc.	
CO5	Understand the normative policies and compare it with the policies framed and followed by Indian economy.	
CO6	Analyse various reforms in public policies in India.	

<b>Unit</b>	<b>CONTENTS OF THE COURSE</b>	<b>No. of Lectures</b>
<b>1.</b>	<b>Public Debt</b> 1.1 Meaning, Nature, Role and Types of Public Debt 1.2 Burden of Public Debt 1.3 Methods of Repayment 1.4 Principles of Debt Management 1.5 Concept of Debt Trap with Examples.	8
<b>2.</b>	<b>Budget: Annual Financial Statement</b> 2.1 Concept of Budget- Components, Classification of Budget, Balanced Budget Multiplier, 2.2 Concept of Zero Budget, Gender Budget, Green Budget, Participatory Budgeting. 2.3 Types of Budget Deficit 2.4 Deficit financing and its Implications.	10
<b>3</b>	<b>Public Finance in India</b> 3.1 Public Revenue System- Taxes and Non-tax Revenue 3.2 History and Trends in Revenue Collection in India since 1991 3.3 History and Trends in Revenue Expenditure in India since 1991 3.4 Reforms in Direct and Indirect Taxes since 1991.	12
<b>4.</b>	<b>Fiscal Policy in India</b> 3.1 Meaning, Role and objectives of Fiscal Policy 3.2 Interdependence between Fiscal and Monetary Policies. 3.3 Fiscal Policy for Stabilization - Automatic v/s. Discretionary Stabilization. 3.4 Fiscal Sector Reforms in India-Budget Management, Objectives of Fiscal Responsibility and Budget Management Act.	12

5.	<b>Indian Fiscal Federalism</b> 5.1 Fiscal Federalism - Meaning, Relevance Vertical and Horizontal Imbalance; 5.2 Constitutional provisions of Functions between Centre and State government. 5.3 Centre-State Financial Relations in India, Role and functions of Finance Commission. 5.4 Overview of all Finance Commission 5.5 Recommendations of 14th and 15th Finance Commission.	12
6.	<b>Assignments / Internal Assessment (Total Marks: 50 – Written test 25 marks, for remaining 25 marks – Group Discussion / Debate / Field Visit / Oral Presentation / Assignments, etc.)</b>	06
<b>Total Number of Lectures</b>		<b>60</b>
<p><b>Learning Resources:</b></p> <ul style="list-style-type: none"> <li>• To develop an understanding of various policies in public economics like fiscal policy, public debt policy, fiscal finances, etc.</li> <li>• To help the students to understand the normative policies and compare it with the policies framed and followed by Indian economy.</li> <li>• To impart information to the students about the reforms like taxation reforms in India.</li> <li>• To understand the Federal relationship between Centre and State government.</li> </ul> <p><b>Suggested Reading</b>            Economics and Political Weekly, Pratyogita Darpan, Daily Newspapers, Budget and Policy Documents. Gazettes</p>		

<b>MA Part I SEM II</b>		
<b>Title of the course and Course Code :</b>	International Finance CC -	<b>Number of Credits : 03</b>
<b>Course Outcomes (COs)</b>		
<b>On Completion of the course, the Students will be able to :</b>		
CO1	Develop an understanding of the theoretical concepts in International Finance.	
CO2	Compare the scenario of International Financial affairs in India vis-à-vis the world economy.	
CO3	Provide knowledge to students regarding recent developments and changes in international banking, international banking agreements etc.	
CO4	Understand the Role working of the International Economic Organizations.	
CO5	Understand and interpret the concepts such as Balance of Payments, Exchange Rates, Foreign Exchange transactions, International capital flows, etc.	
CO6	Critically analyze the effects of deficits, exchange risks and role of foreign capital on the world trade.	

<b>Unit</b>	<b>CONTENTS OF THE COURSE</b>	<b>No. of Lectures</b>
<b>1.</b>	<p><b>1. Balance of Payment</b></p> <p>1.1 Balance of Trade and Balance of Payment - Concept, Structure &amp; Components.</p> <p>1.2 Balance of Payments- Disequilibrium, Causes of Disequilibrium.</p> <p>1.3 Correction of Disequilibrium - Automatic Correction, Deliberate Correction.</p> <p>1.4 Foreign Trade Multiplier- Meaning, Working, Implications &amp; Limitations</p> <p>1.5 Policies for Internal and External Balance-Fiscal and Monetary Policy Under Fixed and Floating Exchange Rates</p> <p><b>1.6 Devaluation of Indian Rupee.</b></p> <p><b>1.7 Depreciation of Indian Rupee- and its Effects on Balance of Payment</b></p>	11
<b>2.</b>	<p><b>2. Foreign Exchange</b></p> <p>2.1 Components of Foreign Exchange Market- Transfer of Purchasing Power, Provision of Credit, Provision of Hedging Facilities</p> <p>2.2 Transactions in the Foreign Exchange Market- Options, Forwards, Futures, and Swap, Concept of Arbitrage, Hedging and Speculation; Types of Risk in International Markets</p> <p>2.3 Determination of Rate of Exchange- Purchasing Power Parity Theory, Balance of Payments Theory, Monetary Models.</p>	12

	2.4 Exchange Control-Scope of Exchange Control, Objectives and Methods of Exchange Control. 2.5 Exchange Rate Systems- Fixed and Flexible Exchange Rates-Case for and against Fixed and Flexible Exchange Rates	
<b>3.</b>	<b>3. International Capital Flows</b> 3.1 Classification of International Capital Flows-Direct and Portfolio Investment, Government, Institutional and Private Capital, Short term and Long term Capital, Home and Foreign Capital, Foreign Aid 3.3 Importance and Role of Foreign Capital-Trade and Investment, Theories of International Investment, Factors Affecting International Capital movements 3.4 Current and Capital Account Convertibility- Concept and Prerequisites, Developments on Convertibility in the Indian Context 3.5 Foreign Exchange Management Act- Objectives and Features	10
<b>4.</b>	<b>4. International Banking</b> 4.1 International Banking- Concept, Classification - Offshore Banking Unit, Foreign Banks, Foreign Subsidiaries/ Affiliates, Correspondent Banks 4.2 International Banking Laws- Choice of Law, Proper Law, Use of Language and Nature of Legal Disputes; 4.3 International Banking Agreements-Basel Norms; <b>Introduction to LIBOR, MIBOR</b> 4.4 Changing Role of International Economic Organizations- IMF and IBRD (World Bank)- Global Crisis and Development, <b>Introduction to New Development (BRICS) Bank.</b>	16
<b>5.</b>	<b>Assignments / Internal Assessment (Total Marks: 50 – Written test 25 marks, for remaining 25 marks – Group Discussion / Debate / Field Visit / Oral Presentation / Assignments, etc.)</b>	<b>06</b>
	<b>Total Number of Lectures</b>	<b>60</b>
<b>Learning Resources:</b>		
<ol style="list-style-type: none"> <li>1. Gupta, K.R.(latest edition): “International Economics”, Atma Ram &amp; Sons, Delhi</li> <li>2. Indian Institute of Banking &amp; Finance (2011) ‘International Banking’</li> <li>3. Kindleberger, C.P. International Economics, R.D. Irwin, Homewood.</li> <li>4. Salvatore, D. (1997), International Economics, Prentice Hall, Upper Saddle River, N.J., New York.</li> <li>5. Srivastava, O.S. (latest edition), “International Economics”, Kalyani Publishers</li> </ol>		
<b>Suggested Reading :</b>		
<ol style="list-style-type: none"> <li>1. Ellsworth P.T., (1969) ‘The International Economy’ New York Macmillan Publishing Co.</li> <li>2. Frederic Mishkin and Stanley Eakins (2006) “Financial Markets and Institutions”, Pearson 5th Ed.</li> <li>3. Heller, Robert H., (1968) ‘International Trade’ Prentice Hall, Englewood Cliffs</li> <li>4. Indian Institute of Banking &amp; Finance (2017) ‘International Banking Legal &amp; Regulatory Aspects’</li> </ol>		

5. Joyce Joseph (2013) 'IMF and the Global Economic Crisis' Cambridge University Press
6. O'Neill Jim (2013) 'The Growth Map: Economic Opportunity in BRICS and Beyond' Penguin, UK
7. Sharma Ruchir (2013) 'Breakout Nations: In pursuit of Next Economic Miracles' Penguin UK
8. Sharma Ruchir (2017) 'The Rise and Fall of Nations' Penguin UK
9. Verghese, S.K., (1986) 'Foreign Exchange and Financing of Foreign Trade', Vikas Publishing House, New Delhi.
10. Williamson, J & Milner, C (1991): 'The World Economy-A Textbook in International Economics', New York University Press, N. York.

**Suggested Journals:**

Journal of International Economics- Elsevier

Journal of Finance- Wiley Online

Journal of Emerging Market Finance- Sage Journals

Journal of Financial Economics-Elsevier /Science Direct

<b>MA Part I SEM II</b>		
<b>Title of the course and Course Code :</b>	Urban Economics CC -	<b>Number of Credits : 03</b>
<b>Course Outcomes (COs)</b> <b>On Completion of the course, the Students will be able to :</b>		
CO1	Develop an understanding of urban economics in the theoretical as well as practical context.	
CO2	Elaborate and discuss on the various concepts and terminologies used in urban economies.	
CO3	Discuss and debate the various issues and challenges faced by urban economies	
CO4	Analyze and evaluate the subject with reference to various aspects of urban economies.	
CO5	Develop an understanding of the urban spaces with its intricacies and imperfections and to be able to construct intellectual dialogue on the challenges of urbanization with reference to the Indian Economy.	

<b>Unit</b>	<b>CONTENTS OF THE COURSE</b>	<b>No. of Lectures</b>
<b>1.</b>	<b>1. Urbanization</b> 1.1 Urbanization-Meaning, Significance and Reasons, 1.2 World Bank Indicators on Urbanization and Urban Development, Classification and Identification of Urban Spaces/Areas. 1.3 Types of Urban Settlements- Historical, Socio-Economic, Political, Technological and Geographical. 1.4 Urbanization Trends- Comparative in Developed and Developing Countries 1.5 Rural Urban Linkages with special reference to India	<b>10</b>
<b>2.</b>	<b><i>Theories and Models of Urban Development</i></b> 2.1 <b>Central Place Theory</b> 2.2 Locational Equilibrium with Urban Economic Growth- Employment, Technology Change and Environment 2.3 Macro-spatial Patterns in Urban Development 2.4 Urban Agglomerations, Urban Clusters, Urban Shadows, Urban Dispersals, Urban Corridors and Axes.	<b>14</b>
<b>3.</b>	<b>3. Urban Infrastructure and Labour Markets</b> 3.1 Urban Infrastructure- Housing, Water Supply, Sanitation, Electricity, Public Transport, Education, Health Services, Sewerage Drainage System,	<b>14</b>



	3.2 <b>Role of JNNURM in Urban Development</b> , Financing of Urban Infrastructure- Urban Value Creation, Role of Urban Local Bodies, <b>Challenges of Urbanization in India.</b> 3.3 Urban Labour Markets- Migration, Hierarchy, Segmentation, Impact of Globalization, <b>Recent trends in Migration, Reverse Migration.</b> 3.4 Economies of Agglomeration and Economies of Localization	
<b>4.</b>	<b>4. Challenges of Urbanization</b> 4.1 Urban Congestion, Urban Sprawls 4.2 Urban Labour Force, Urban Informal Sector 4.3 Urban Poverty, Housing and Slums, 4.4 Urbanization and Environmental Issues 4.5 Urban Planning, Governance & Policy	<b>10</b>
<b>5.</b>	<b>Assignments / Internal Assessment</b>	<b>06</b>
	<b>Total Number of Lectures</b>	<b>60</b>

**Learning Resources:**

- 1 O’Sullivan, A (2009) Urban Economics, McGraw Hill Publication
- 2 Mohanty Prasanna (2014) ‘Cities and Public Policy’ Sage Publications
- 3 Mohanty Prasanna (2014) ‘Financing Cities in India’ Sage Publications
- 4 Ramchandran R. (1989) ‘Urbanization and Urban System in India’, OUP
- 5 Ray Chaudhari J (2001) “An Introduction to Development & Regional Planning with special reference to India.” Orient Longman, Kolkata.
- 6 Shukla, V (1996) “Urbanization and Economic Growth” HPH

**Suggested Reading :**

1. Asian Development Bank (2009) ‘Urban Poverty in India’ BS Books
2. Beall Jo, Basudeb Guha-Khasnobis, Ravi Kanbur (2012) ‘Urbanization and Development in Asia-Multidimensional Perspective’, OUP
3. Das, R.B. (latest ed) ‘Urban Planning and Local Authorities’, OUP
4. Edwin S. Mills (1980) ‘Urban Economics’, Scott, Foresman and Co. London.
5. Gillis, M, Perkins, D, Roemer. P, D.R. Snodgrass (1983) ‘Economics of Development’. W.W. Norton & Co. Inc.
6. Isher Judge Ahluwalia, Ravi Kanbur, P. K. Mohanty (2014) ‘Urbanization in India: Challenges, Opportunities and the Way Forward’, Sage Publications
7. McGranahan Gordon, George Martine (2014) ‘Urban Growth in Emerging Economics: Lessons from the BRICS’ Routledge
8. Mills, Edwin.S (2004) ‘Handbook of Regional & Urban Economics’, Volume 2- Urban Economics, (Ed.) Elsevier North Holland, The Netherlands.
9. Ray, Debraj (2011) ‘Development Economics’ Oxford University Press.
10. Shukla Vibooti (1988) ‘Urban Development and Regional Policy in India: An Econometric Analysis’, Himalaya Publishing House, Mumbai.
11. Sobhan Rehman (2010) ‘Challenging the Injustice of Poverty: Agendas for Inclusive Development in South Asia’ Sage Publications
12. Sivaramakrishnan K.C., Kundu A. & Singh B.N. (2010), ‘Handbook of Urbanization in India’, OUP

**Suggested Journals:**

Urban Studies, Urbanization, Urbanization and Environment- Sage

The Indian Economic Journal-Sage

Journal of Urban Management- Elsevier

Journal of Urban Economics- Science Direct

**Reports & Periodicals:**

India Infrastructure Reports

State of World Population 2007- Unleashing the Potential of Urban Growth,

United Nations Population Fund.

Urban Development Reports, Ministry of Urban Development, GoI

World Development Reports, World Bank

World Urbanization Prospects, UNO

<b>MA Part I SEM II</b>		
<b>Title of the course and Course Code :</b>	<b>Statistical Techniques CC -</b>	<b>Number of Credits : 03</b>
<b>Course Outcomes (COs)</b>		
<b>On Completion of the course, the Students will be able to :</b>		
CO1	Provide an understanding of various Statistical techniques and its application in economics.	
CO2	Demonstrate the practical and the applied aspects of economics with the help of Statistical techniques.	
CO3	Develop, demonstrate and examine various topics under economics with the help of statistical techniques.	
CO4	Examine subject areas in economics with the use of statistical tools.	

Unit	CONTENTS OF THE COURSE	No. of Lectures
<b>1.</b>	<b>1. Descriptive Statistics</b> <i>1.1 Application of Statistics in Economic Analysis.</i> <i>1.2 Introduction to Statistical Techniques- Collection, Organization and Presentation of Data</i> <i>1.3 Measures of Central Tendency -Mean, Median, Mode,</i> <i>1.4 Dispersion- Range, Quartile Deviation, Mean Deviation, Standard Deviation, Variance, Coefficient of Variation.</i> 1.5 Correlation and Regression Analysis. 1.6 Measures of Skewness and Peakedness (Kurtosis)	<b>15</b>
<b>2.</b>	<b>2. Sampling and Sampling Methods</b> 2.1 Sample and Population, Parameters and Statistics 2.2 Variables and Attributes; Sampling and Non-sampling Errors 2.3 Types of Sampling	<b>8</b>
<b>3.</b>	<b>3. Theory of Probability</b> 3.1 Probability, Distribution, Events Spaces 3.2 Joint, Marginal and Conditional Probability- Certainty & Uncertainty conditions 3.3 Random Variable: Expectation and Distribution 3.4 Addition and Multiplication Theorems 3.5 <i>Normal Z-Test</i> , T-test, Chi-square	<b>10</b>

<b>4.</b>	<b>4. Statistical Estimation and Testing of Hypothesis</b> 4.1 Types of Estimators and their Properties 4.2 Point and Interval Estimation 4.3 Null and Alternate Hypothesis 4.4 Level of Significance & Level of Confidence, Confidence Limits, Critical Region, Tests of Significance-Type I and II Errors.	<b>10</b>
<b>5</b>	<b>5. Time Series</b> 5.1 Nature and Decomposition of a Time Series-Trend. 5.2 Cyclical, Seasonal and Random Components. 5.3 Fitting Trend Curves.	<b>5</b>
<b>6</b>	<b>6. Index Number</b> <b>6.1 Introduction to Index Number- Definition, Characteristic, Importance</b> <b>6.2 Types of Index numbers- Laspeyres, Paasche, Fisher, Dorbish and Bowleys, Marshall and Edgeworth and Kelly's Method.</b> <b>6.3 Whole sale Price Index, Consumer Price Index,</b> <b>6.4 Uses and Problems of Index Number</b>	<b>6</b>
<b>7.</b>	<b>Assignments / Internal Assessment</b>	<b>06</b>
	<b>Total Number of Lectures</b>	<b>60</b>

**Learning Resources:**

Anderson David & al (2015) 'Statistics for Business and Economics', 12th Edition, Cengage India

Gupta S.C. (Latest Edition) 'Fundamentals of Applied Statistics' Sultan Chand & Sons,

Gupta S.C. (2014) 'Fundamentals of Mathematical Statistics' Sultan Chand & Sons,

Nagar A.L. & Das R.K. (1997) 'Basic Statistics' 2nd Edition, OUP

Rohatgi Vijay K., A.K. Md. Ehsanes Saleh (2008) 'An Introduction to Probability and Statistics, Wiley, 2nd Edition

Vohra N.D. (2017) 'Business Statistics' McGraw Hill Education

**Suggested Journals::**

Croxton F. E and Cowden D. J. (1968) 'Applied General Statistics' Pitman Publishing

Croxton F. E and Cowden D. J. (2012) 'Practical Business Statistics' Literary Licensing, LLC

Keller Gerald (2015) 'Statistics for Management and Economics, South Western Lind, Marchal

and Wathen (2017) 'Basic Statistics for Business and Economics' McGraw Hill Education, 7th Edition

Richard I. L, M. H. Siddiqui, D S. Rubin, Sanjay Rastogi (2017) 'Statistics for Management and Economics' 5th Edition, Pearson Education

**Suggested Journals:**

Journal of International Economics- Elsevier

Journal of Finance- Wiley Online

Journal of Applied Statistics- Francis & Taylor

Journal of Statistics Education- Francis & Taylor

