

The entire course will be of four semesters. In semester I, there would be five core courses and One elective Course. In semester II, there would be five courses and one CBCS Course. In semester III, there would be four Core course, One Foundation Course and One CBCS course. In semester IV, there would be four Core courses and three Discipline Specific courses. Each student will opt for at least one elective course in semester - I. Each student will opt for at least one CBCS courses & another in Semester 4.

Course Code	Nature	Title of The Course	Credit	Tutorial	Practical	Total Credits	External Marks	Internal Marks	Maximum Marks (credit)
Semester - I									
18MECOC-101	Core	Micro Economics - I	4	1	0	5	80	20	100(4)
18MECOC-102	Core	Macro Economics - I	4	1	0	5	80	20	100(4)
18MECOC-103	Core	Mathematics for Economists - I	4	1	0	5	80	20	100(4)
18MECOC-104	Core	Statistical Methods - I	4	1	0	5	80	20	100(4)
18MECOF-105	Foundation	History of Economic Thoughts,	4	1	0	5	80	20	100(4)
18MECOE-106	Elective		4	1	0	5	80	20	100(4)
Choose any One Course									
		(i) Labour Economics	4	1	0	5	80	20	100(4)
		(ii) Economics of Population	4	1	0	5	80	20	100(4)
		(iii) Computer Applications in Economics	4	1	4	5	60	00	100(4)
Semester -II									
18MECOC-201	Core	Micro Economics- II	4	1	0	5	80	20	100(4)
18MECOC-202	Core	Macro Economics - II	4	1	0	5	80	20	100(4)
18MECOC-203	Core	Mathematics for Economists -II	4	1	0	5	80	20	100(4)
18MECOC-204	Core	Statistical Methods - II	4	1	0	5	80	20	100(4)
18MECOC-205	Core	Public Economics	4	1	0	5	80	20	100(4)
18MECOC-206	CBCS	Indian Economy	4	1	0	5	80	20	100(4)


 31/10/2018


Semester - III

Course Code	Nature	Title of The Course	Credit	Tutorial	Practical	Total Credits	External Marks	Internal Marks	Maximum Marks (credit)	
18MECOC-301	Core	International Economics - I	4	1	0	5	80	20	100(4)	
18MECOC-302	Core	Growth and Development - I	4	1	0	5	80	20	100(4)	
18MECOC-303	Core	Environmental Economics	4	1	0	5	80	20	100(4)	
18MECOC-304	Core	Econometrics - I	4	1	0	5	80	20	100(4)	
18MECOE-305	Elective	Choose any One Course								
		(i) Industrial Economics	4	1	0	5	80	20	100(4)	
		(ii) Agricultural Economics	4	1	0	5	80	20	100(4)	
18MECOE-306	CBCS	Gender Economics	4	1	0	5	80	20	100(4)	
Semester - IV										
18MECOC-401	Core	International Economics - II	4	1	0	5	80	20	100(4)	
18MECOC-402	Core	Growth and Development - II	4	1	0	5	80	20	100(4)	
18MECOC-403	Core	Indian Economy	4	1	0	5	80	20	100(4)	
18MECOC-404	Core	Econometrics - II	4	1	0	5	80	20	100(4)	
18MECOE-405	Elective	Choose any Two Course								
		(i) Monetary Economics	4	1	0	5	80	20	100(4)	
		(ii) Urban economics	4	1	0	5	80	20	100(4)	
		(iii) Haryana Economy	4	1	0	5	80	20	100(4)	

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SEMESTER-I

Semester-I
M.A. (Economics)
18MECOC-101: Micro Economics-I(Core)

Max. Marks: 100
Time: 3 Hrs.

Written Exam:80
Internal Assessment: 20

Unit-I: Theory of Consumer Behaviour

Nature and Scope of Micro Economics; Demand analysis: Demand Function, Law of Demand, Market Demand Curve, Exception of Law of Demand, Elasticity of Demand (Price, Cross, Income); Supply, Law of Supply; Theories of Consumer Behavior: Cardinal, Ordinal and Revealed Preference Theory; Slutsky and Hicks Price and Income Effect.

Unit-II: Theories of cost and production

Concept of Cost: Theories of cost: Traditional and Modern Theory; Production Function, Laws of Production: short run and long run; Economies of scale Internal and External economies and diseconomies. Optimum input combination for single & multiproduct firm. Technical progress and production function. Properties of Cobb-Douglas and CES production function. Cost Functions.

Unit-III: Market: Price and Output Determination

Pricing process and equilibrium of firm and industry under perfect competition, monopoly (including discriminating and bilateral monopoly), monopolistic competition. Welfare effects of price control, price support and production quota.

Unit IV: Market: Collusive & non-collusive

Oligopoly: Collusive & non-collusive oligopoly- Cournot, Bertrand, Chamberlin, Kinked-demand curve and Stackleberg solution. Collusive models- Market sharing cartels; Price leadership models.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)).

Suggested Reading:

1. Mas-Colell, Andreu, Michael D. Whinston and Jerry R. Green, (1995). Microeconomic Theory, Oup, New York.
2. Jehle & Renne (2011). Advanced Microeconomic Theory, Pearson Education, India. 3rd Edition
3. Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York.
4. Pindyck Robert S Ruben Feld Daniel, Mehta (2009) "Microeconomics, Prentice Hall of India, 7th Edition.
5. Mankiw Gregory N (2017), "Micro Economics" Clengage Learning; 8th Edition
6. Koutsoyiannis A (2003), "Modern Micro-Economics", McMillan Press London; 2nd Edition.
7. Kreps, David M. (2012), "A Course in Microeconomic Theory", Princeton University Press, Princeton.
8. Sen, A. (2006), "Microeconomics: Theory and Applications, Oxford University Press, New Delhi, 2nd Edition.
9. Varian, H. (2000), "Microeconomic Analysis", W.W. Norton, New York 3rd Edition.



MA (Economics)
Semester-I
18MECOC102- Macro Economics-I (Core)

Max. Marks: 100

Written Exam:80

Time: 3 Hrs.

Internal Assessment: 20

Unit-I: Output and Employment Determination

Determination of Output and Employment: Classical Theory; Social Accounting; The Quantity Theory of Money and the Price Level; Classical Model without saving and investment; Classical Model with saving and investment; Keynesian Approach: Two Sector Model, Three Sector Model and Four Sector Model. Consumption Function: Nature and Determinants; Keynesian Psychological Law of Consumption- Implications of law; Types of Investment, Investment Function, Determination of Investment,

Unit-II: Consumption and Investment theories

Consumption Theories: Reconciliation of short run and long run consumption function-Absolute Income Hypothesis, Relative Income Hypothesis, Permanent Income hypothesis, Life Cycle Income Hypothesis. Theories of Investment: Marginal Efficiency of Capital; Investment Multiplier Theory; Accelerator Theory of Investment; Jorgenson's Theory of Investment; Super Multiplier

Unit-III: Demand for Money

Determination of Output and Employment: The Extended Model (Hicks-Henson Synthesis): Fixed Price Level – The goods Market and The Money Market; Equilibrium in Goods Market and Money Market; Changes in Aggregate Demand; Govt. spending, Taxation and Aggregate Demand. Demand for Money-Keynesian Approach; Post Keynesian Approaches: Friedman, Baumol and Tobin;

Unit-IV: Macroeconomic Policies

The Extended Model: Variable Price Level – Deviation of Aggregate Demand Curve and Determination of equilibrium price and output levels; wage-price flexibility and the Full Employment equilibrium; Monetary – Fiscal policies and the Full-Employment Equilibrium; Neoclassical –Keynesian synthesis; Monetarism; Role of Expectation; Expectation Augmented Phillips Curve; Monetary V/s Fiscal Policy Debate; New Classical Macro Economic Critique.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit).

Suggested Reading:

1. Brooman, F. S. (1975). Macro Economics, George Allen and Unwin Ltd., London. 5th Edition.
2. Dornbusch, R. (1980). Open Economy, Macro Economics, Basic Books, New York.
3. Dorn Busch, R. and F. Stanley (2013), "Macroeconomics", McGraw Hill, Inc. New York, 12th Edition.
4. Shapiro E (2017), "Macroeconomic Analysis", Galgotia Publications, New Delhi, 12th Edition
5. Rana and Verma (2014), "Macroeconomic Analysis", Vishal publications, 11th Edition.
6. Ackley, G (1978), "Macroeconomics: Theory and Policy, Macmillan, New York.
7. Benson, W.A. (2005), "Macroeconomic Theory and Policy", Harper and Row, New York, 3rd Edition.
8. Peterson, W.C. (1996), "Income Employment and Economic Growth", Norton, New York, 8th Edition.
9. Sheffrin, Steven M. (2012), "Rational Expectations", Cambridge University Press, 2nd Edition.
10. Mankiw, N. Gregory (2012), "Macroeconomics", Macmillan worth Publishers, 8th Edition.
11. Dornburg, T.F. and D. M. McDougall, (2000), "Macroeconomics", McGraw Hill International Book Company.

MA (Economics)

Semester-I

18MECOC103-Mathematics for Economists-I(Core)

Max. Marks: 100

Written Exam:80

Time: 3 Hrs.

Internal Assessment: 20

Unit-I: Basic Concepts:

Variable- Endogenous and Exogenous, Constant and Parameter, Real Number System; Function- Inverse, Logarithmic and Exponential, Demand, Supply, Cobb Douglas and CES Production Function; Limit and Continuity, Equations- Simple, Quadratic and Simultaneous with their Economic Applications

Unit-II: Matrices

Meaning, Types of Matrices, Transpose, Adjoint, Inverse of Matrices; Determinants, Solution of a System of Two and Three Equations by Matrix Method and Cramer Rule and Economic Application of Matrix; Input-output Analysis: Structure, Assumptions, Properties, Static and Dynamic Model, Hawkins Simon Condition.

Unit-III: Differential Analysis

Simple, Partial and Total Differentiation with up to Second Order and its Economic Application; Homogenous Function with Properties; Maxima and Minima: One and Two Variables and their Economic Application, Constraint Maxima and Minima with Economic Applications.

Unit-IV: Series Analysis

Arithmetic and Geometric Series with Economic Applications; Set Theory with Economic Applications, Growth Rate, Types- Simple, Compound and Exponential and their Measurement at point of time and Period of Time.

Note 1: Purpose of the course is to learn application of mathematical tools with understanding in economics. Derivations and proofs are to be avoided.

Note 2:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit).

Suggested Reading:

1. Chiang Alpha. C (1984), Fundamental Method of Mathematical Economics, 3rd Edition
2. Yamane Taro (1972). Mathematical Analysis: Business and Economic Application, 4th Edition
3. Arrow, K.J and Intrilligator (1982). Handbook of Mathematical Economics, Volume I, II, III, North Holland Amsterdam.
4. Henderson, J.M and R.E Quant (1980). Micro economic Theory: A Mathematical Approach, McGraw Hill
5. Chung, J.W (1993) Utility and Production: Theory and Application, Basil Blackwell
6. Allen, R.G.D (1983). Mathematical Analysis for Economist, Macmillan & Co Ltd.
7. Dowling, Edward T (2015). Mathematics for Economists" (Schaum's outline Series, Tata McGraw Hill, 3rd Edition.



MA (Economics)
Semester-I
18MECOC104- Statistical Methods-I (Core)

Max. Marks: 100

Time: 3 Hrs.

Written Exam:80

Internal Assessment: 20

Unit-I: Basic Statistics:

Measure of Central Tendency- Mean Simple and Weight Aged, Geometric Mean, Harmonic Mean; Median; Mode; Measure of Dispersion- Range, Interquartile Range, Quartile Deviation, Mean Deviation, Standard Deviation, Coefficient of Variation, Lorenz Curve, Kurtosis Moments and Skewness.

Unit-II: Correlation Analysis

Correlation, Types, Utility, Degree and its Techniques as Karl Pearson Coefficient of Correlation in Individual and Bivariate Series; Spearman Rank Correlation, Concurrent Deviation Method, Coefficient of Determination

Unit-III; Regression Analysis

Regression, Types, Utility, Regression Lines, Regression Equations in Individuals and Bivariate Series, Regression Coefficients, Difference between Correlation and Regression, Properties of Regression Coefficient. OLS Estimates of Regression Parameters

Unit-IV: Index Numbers

Problems and methods of construction of various types of indices, Laspeyres, Pasche's and Fisher's Ideal index number. Time Reversal and Circular Tests, Chain Base Indices, Base Shifting, Splicing and Deflating index number, Cost of living Index numbers and Consumer Price Index Numbers

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)

Suggested Readings:

1. Spiegel, M.R (1992). Theory and Problems of Statistics, 3rd Edition, McGraw Hill Books London.
2. Croxton, F.E & D.J Cowden and S.K Klein (1973). Applied General Statistics, Prentice Hall, New Delhi.
3. Yates, Frank. (1965). Sampling Methods for Census and Surveys, Charles, Griffin Co., London.
4. Gupta S.C and V.K Kapoor (2014). Fundamentals of Applied Statistics, S. Chand and Sons, New Delhi.
5. Cochran, W. G., (1977) Sampling Techniques, John Wiley, New York.
6. Hansen, Hurditz and Meadow (1953). Sample Survey Methods and Theory, John Wiley
7. Gupta S. C. (2018). Fundamentals of Statistics, Himalaya Publishing house, New Delhi, 7th Edition.
8. Gupta S.P. and Gupta M. P. (2014). Business Statistics, Sultan Chand and Sons, New Delhi.



Semester-I

18MECOE105-1- History of Economic Thought (Core)

Max. Marks: 100

Written Exam:80

Time: 3 Hrs.

Internal Assessment: 20

Unit-I:

Pre-Industrial Economic Thought Nature and Importance of Economic Thought, Mercantilism: Views on trade, Money and Prices, Physiocracy: Natural Order; Net Product and Circulation of Wealth.

Unit-II:

Classical Political Economy- Adam Smith, Ricardo and J.S. Mill: Theories of value and Distribution

Unit-III:

Marxian Economics: Historical Materialism, Theory of Value, Theory of Capital Accumulation, Theories of Crisis. Keynesian and Post Keynesian Economics, General Equilibrium Analysis.

Unit-IV:

Indian Economic Thought, Kautilaya, Thiruvallur, Naoroji, Gokhle, Gandhian Thoughts, Rao, Mahalanobis, Vakil, Bhagwati, Mehta, VinobaBhave, Ram ManoharLohiya, Din DayalUpadhyay, Swaminathan.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)

Suggested Readings:

1. Paul .R.R. (2015). History of Economic Thought, Kalyani publication, New Delhi.
2. Dasgupta, A K (1986). Epochs of Economic Theory, Oxford University Press New Delhi.
3. V.Lokanathan(2015). History of Economic Thought, S. Chand Publication.
4. Barber, William (1977). A History of Economic Thought, Penguin Books, 1977.
5. Bell, John F (1967). A History of Economic Thought, Ronald Press, 1967
6. Black, R. D.Collison (1986). Ideas in Economics, Barnes and Noble Books, 1986
7. Blaug, Mark (1992). Economic Theory in Retrospect, Cambridge University Press.
8. Buchholz, Todd (1990). New Ideas from Dead Economists, A Plume Book.
9. Burt, Everett (1972). Social Perspectives in the History of Economic Theory, St. Martin's Press.
10. Canterbury, Ray (1987). The Making of Economics, Wadsworth Publishing, 1987
11. Canterbury, Ray (1995). The Literate Economist: A Brief History of Economics, HarperCollins, 1995.



Semester-I
18MECOE106-1: Labour Economics (Elective)

Max. Marks: 100
Time: 3 Hrs.

Written Exam:80
Internal Assessment: 20

UNIT-I: Labour Market in India

Concept of labour, labour markets, Labour Market Theories: demand for Labour, supply of labour; Demand for Labour in Relation to Size and Pattern of Investment. Dualistic labour markets: formal informal sectors, Features and characteristics of Indian labour market: Rural and urban labour markets

UNIT-II: Industrial Relations

Wage setting and the role of trade unions, Indian Trade Unions: growth and problems; post-reform changes in labour unions. Industrial disputes, Industrial disputes in India, Dispute settlement machinery in India. Emergence and Role of Union Collective Bargaining and Types of Trade Unions in India.

UNIT-III: Wage and Employment

Determination of wages, Wage elasticity of employment, Concepts of minimum, living and fair wage, wage- productivity and inflation relationship, Wage policy in India – Minimum Wages Act and Payment of Wages Act. Issues in rising wage inequality.

UNIT-IV: Social Security and Welfare

Definition and scope, Social security measures in India, Problems of child labour in India; Women labour force participation, determinants and problems. Public Policies of Employment Generation, Worker's Welfare Programmes–Social Security for Workers; Major recommendations of Second National Commission on labour, Labour market reforms and employment. International Labour Organisation.

Note:

- (A) Nine questions would be set in all.
- (B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
- (C) There would be two questions (16 marks each) from each of four units.
- (D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)).

Suggested Readings:

1. Hajela, P.D. (1998). Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publisher, New Delhi.
2. Lester, R.A. (1964). Economics of Labour, (2nd Edition), Macmillan, New York.
3. McConnell, C.R. and S.L. Brue (2010). Contemporary Labour Economics, 9th Edition, McGraw Hill, New York.
4. Papola, T.S., P.P. Ghosh and A.N. Sharma (1993). Labour, Employment and Industrial Relations in India, B.R. Publishing Corporation, New Delhi.
5. Venkata Ratnam, C.S. (2001). Globalization and Labour-Management Relations: Dynamics of Change, Sage Publications/Response Books, New Delhi
6. Shyam, S. K. R. (2015). Labour Law and Governance Reforms in India; Some Critical Perspectives. New Delhi: Synergy Books India.
7. Mitra, A. (2009). Technology Import and Industrial Employment: Evidence from Developing Countries." Labour 23 (4): 697–718.
8. International Labour Organization (ILO). 1996. Economic Reforms and Labour Policies in India. New Delhi: ILO



Semester-I
18MECOE106-2: Economics of Population (Elective)

Max. Marks: 100

Time: 3 Hrs.

Written Exam:80

Internal Assessment: 20

Unit I: Population and Development

Meaning and Scope of Demography, Components of Population Growth and their Interdependence; Sources of Population Data; Theories of Population –Malthus, Optimum theory of Population; Theories of Demographic Transition; Models of Meadows, Enke, Becker and Easterlin; Population as Limits to Growth and as Ultimate Source.

Unit II: Structure and Determinants of Population

Determinants of Age and Sex Structure; Mortality – Death Rates, Crude and Age-Specific, Mortality at Birth and Infant Mortality rate; Measurement of Fertility-Total Fertility Rate, Gross and Net Reproduction Rate; Population Projection- Stable, Stationary and Quasi-Stationary population, Life Table and its Uses.

Unit III: Migration and Urbanisation

Concept and Types – Temporary, Internal and International; Factors affecting Migration, Theories of Internal Migration, International Migration - Its Effects on Population Growth and Pattern; Urbanisation- Growth and Distribution of Rural-Urban Population in Developing Countries with Special Reference to India. Inter-State Migration in India Brain Drain.

Unit IV: Indian Population and Policy

Growth Rates, Trends and Age Structure of Indian Population, Latest Population Policy in India; Family Planning Strategies and their Outcomes, Social Impact of New Reproductive Technologies and their Regulations, International Comparison of Demographic Features with Special Reference to India

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit).

Suggested Readings:

1. Agarwal, S. N. (1986). India's Population Problem, Tata McGraw Hill Co. Bombay.
2. Bose, A. (1996). India's Basic Demographic Statistics, B. R. Publishing Corporation, New Delhi.
3. Chenery, H. and T. N. Srinivasan (Eds.) (1989). Hand Book of Development Economics, Elsevier, Amsterdam.
4. Choubey, P. K. (2001). Population Policy in India, Kanishka Publications, New Delhi.
5. Coale, A. J. and E. M. Hoover (2016). Population Growth and Economic Development in Low Income Countries: A Case Study of India's Prospects, Princeton University Press, Princeton.
6. Simon, J. L. (2016). Population and Development in Poor Countries, Princeton University Press.
7. Srinivasan, K. (1998). Basic Demographic Techniques and Applications, Sage, New Delhi.
8. Srinivasan, K. and A. Shariff (1998). India: Towards Population and Demographic Goals, Oxford University Press, New Delhi.
9. Novell, C (1988), Methods and Models in Demography, Bellhaven Press, London.
10. Bogue, D.J (1971) Principles of Demography, John Wiley, New York.
11. DuttRuddra and Sundram K. P.M (2018). , Indian Economy, S.Chand& Company. New Delhi





Semester- I
18MECOE106-3 Fundamentals of Computer

Max. Marks: 100

Time: 3 Hrs.

Written Exam: 80

Internal Assessment: 20

Unit I

Introduction to Computer Fundamentals: computer system, Input-Output Devices. History and Evolution of Computers; Generations of computer Components of a Personal Computer System; Classification of Computers

Unit II

Introduction to software:- Meaning and Concept; Hardware, Software and Types of Software; Operating System- Meaning and Functions; Types of memory; Computer Languages - Machine, Assembly and High-Level Languages;

Unit III

Application Software: Windows based operating system; Word Processing – Document Management and Formatting; Presentation software. Spreadsheets; Solution of Simultaneous Equation with Matrices; Mathematical, Statistical & Financial Functions; Graphical Analysis in Economics;

Unit IV

Data and Information: Meaning, Types,; Data base Management System, Advantages and Limitations of Database System; Internet, Intranet, LAN, MAN, WAN, WWW, E-Mail, Search Engine, Social media.

Note:

(A) Nine questions would be set in all.

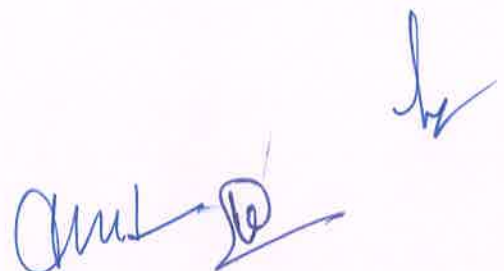
(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit).

Suggested Reading:

1. Gardener, M. (2012): Beginning R: The Statistical Programming Language, Publisher John Wiley & Sons.
2. Gupta, S.C. and V.K. Kapoor (2007). Fundamentals of Applied Statistics, 4th Edition, S.Chand and Sons, New Delhi.
3. Kim, D. and Soloman, M.G. (2010) Fundamentals of Information System and Security, Publisher Jones & Bartlett Learning.
4. Lipschultz, M.M. and S. Lipschultz (1982): Theory and Problems of Data Processing, Schaum's Outline Series, McGraw Hill, NY.
5. Rajaraman, V. (2014), Fundamentals of Computers, 6th Edition, Prentice Hall of India, New Delhi.
6. Sinha, P.K. (2017). Computer Fundamental, 6th Edition, BPB Publications, New Delhi.



SEMESTER-II

Semester-II
18MECOC201: MicroEconomics-II (Core)

Max. Marks: 100
Time: 3 Hrs.

Written Exam: 80
Internal Assessment: 20

UNIT-I: Marginal Analysis

Critical evaluation of marginal analysis; Average cost pricing model; Bain's limit pricing theory; Baumol's sales revenue maximization model(all four static models); Marris model of managerial enterprise; Williamson's model of managerial discretion.

UNIT-II: Factors Pricing

Pricing of factors of production (perfect and imperfect market); Elasticity of technical substitution and factor shares, technical progress and factor shares; Factor pricing and income distribution.

UNIT-III: General Equilibrium

The Walrasian approach to general equilibrium; Existence, stability and uniqueness of the partial equilibrium and General Equilibrium; Maximization of social welfare; Market failure; Externalities, Public goods, asymmetric information.

UNIT-IV: Risk and Uncertainty

Inter-temporal choice in consumption; Economics of Uncertainty - Decision rules under uncertainty; Individual behavior towards risk: Risk, gambling, insurance decisions. Welfare Economics: concept of Social Welfare Function, Pareto Optimality, Compensation Principle.

Note:

- (A) Nine questions would be set in all.
- (B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
- (C) There would be two questions (16 marks each) from each of four units.
- (D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit).

Suggested Reading:

1. Mas-Colell, Andreu, Michael D. Whinston and Jerry R. Green (1995). Microeconomic Theory, Oup, New York.
2. Jehle & Renne (2011). Advanced Microeconomic Theory, Pearson Education, India. 3rd Edition
3. Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York.
4. Pindyck Robert S Ruben Feld Daniel, Mehta (2009). Microeconomics, Prentice Hall of India, 7th Edition.
5. Mankiw Gregory N (2017). Micro Economics, Clengage Learning; 8th Edition
6. Koutsoyiannis A (2003). Modern Micro-Economics, McMillan Press London; 2nd Edition.
7. Kreps, David M. (2012). A Course in Microeconomic Theory", Princeton University Press, Princeton.
8. Sen, A. (2006). Microeconomics: Theory and Applications, Oxford University Press, New Delhi, 2nd Edition.

MA (Economics)

Semester-II

18MECOC202 –Macro Economics-II (Core)

Max. Marks: 100

Time: 3 Hrs.

Written Exam:80

Internal Assessment: 20

Unit-I: Demand for Money

Classical Approach to Demand for Money: Quantity Theory; Fisher's equilibrium; Cambridge Equation, Quantity theory; Keynes Liquidity Approach Transaction; Precautionary and Speculative Demand for Money Aggregate Demand for Money; Friedman, Patinkin Baumol and Tobin. Determinants of money supply, High-powered money, Money multipliers.

Unit-II: Inflation

Inflation: Definition of Inflation; Economics effects of Inflation: The effect of Inflation on distribution of Income and Wealth, The effect of Inflation on output, Employment and the Growth Rate.

Unit-III: Theories of Business Cycles

Schumpeter, Models of Samuelson, Hicks and Kaldor. Control of Business Cycle- relative Efficacy of Monetary and Fiscal Policy

Unit-IV: Exchange Rate

The Determination of National Income in Open Economy; IS-LM Analysis in Open Economy. The International Transmission of Disturbance: Transmission under Fixed Exchange Rate; Transmission under Floating Exchange Rate (Mundell-Fleming Model).

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit))

Suggested Reading:

1. Brooman, F. S. (1975). Macro Economics, George Allen and Unwin Ltd., London. 5th Edition.
2. Dornbusch, R. (1980). Open Economy, Macro Economics, Basic Books, New York.
3. Dorn Busch, R. and F. Stanley (2013). Macroeconomics, McGraw Hill, New York, 12th Edition.
4. Shapiro E (2017). Macroeconomic Analysis, Galgotia Publications, New Delhi, 12th Edition
5. Rana and Verma (2014). Macroeconomic Analysis, Vishal publications, 11th Edition.
6. Ackley, G (1978). Macroeconomics: Theory and Policy, Macmillan, New York.
7. Benson, W.A. (2005). Macroeconomic Theory and Policy, Harper and Row, New York, 3rd Edition.
8. Mankiw, N. Gregory (2012). Macroeconomics, Macmillan worth Publishers, 8th Edition.
9. Dernburg, T.F. and D. M. McDougall, (2000). Macroeconomics, McGraw Hill International Book Company.
12. Peterson, W.C. (1996). Income Employment and Economic Growth, Norton, New York, 8th Edition.
13. Sheffrin, Steven M. (2012). Rational Expectations, Cambridge University Press, 2nd Edition.

MA (Economics)

Semester-II

18MECOC203 -Mathematics for Economists-II (Core)

Max. Marks: 100

Time: 3 Hrs.

Written Exam:80

Internal Assessment: 20

Unit-I: Integration Analysis

Integration: Meaning and economic interpretation; Indefinite and definite integration. Simple techniques including integration by substitution and integration by parts and its Economic Applications.

Unit-II: Differential Equation

Basic concepts, solution of first order linear differential equation. Non-linear differential equation exact and variable separable type only. Linear differential equation of second order with constant coefficient and term and its Economic Applications.

Unit-III: Difference Equation

Difference equation – basic concepts, solution of first and second order linear difference equation with constant term and coefficient and its Economic Applications.

Unit-IV: Linear Programming

Linear Programming: Relevance and basic concepts, Graphic method and dual solution and Economic interpretations.

Note 1: Purpose of the course is to learn application of mathematical tools with understanding in economics. Derivations and proofs are to be avoided.

Note 2:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit))

Reading List:

1. Chiang Alpha. C (1984). Fundamental Method of Mathematical Economics, 3rd Edition
2. Yamane Taro (1972). Mathematical Analysis: Business and Economic Application, 4th Edition
3. Arrow, K.J and Intrilligator (1982). Handbook of Mathematical Economics, Volume I, II, III, North Holland, Amsterdam.
4. Henderson, J.M and R.E Quant (1980). Micro economic Theory: A Mathematical Approach, McGraw Hill
5. Chung, J.W. (1993). Utility and Production: Theory and Application, Basil Blackwell
6. Allen, R.G.D (1983). Mathematical Analysis for Economist, Macmillan & Co Ltd.
7. Dowling, Edward T (2015). Mathematics for Economists (Schaum's outline Series, Tata McGraw Hill, 3rd Edition.

MA (Economics)

Semester-II

18MECOC204 -Statistical Methods-II (Core)

Max. Marks: 100

Written Exam:80

Time: 3 Hrs.

Internal Assessment: 20

Unit –I: Probability Analysis

Probability: Addition, Multiplication, Bayes Theorem; distribution of a random variable, Binomial, Poisson and Normal distributions, properties and inter relationships. Fitting of distributors.

Unit-II: Sampling Fundamentals

Census versus sample enumeration. Methods and types of sampling, sampling error, small and large sample, concept of an estimator and its sampling distribution; properties of a good estimator, concepts of point and internal estimation.

Unit-III:Statistical Inference

Elements of statistical Inference: Parameter and estimators; concepts of sampling distribution of a Statistic, standard error, hypothesis testing, tests of significance, Type I and Type II errors, level of Significance, Power of a test, z, t, chi-square and F tests.ANOVA- One way and Two Way

Unit-IV: Time Series Analysis

Time Series- Meaning, Utility, Components and their decomposition, Methods of Measuring Trend-Free hand Curve Method, Semi Average Method, Moving Average Method, and Least Square Method, Measurement of Seasonal Variation- Method of Simple Averages, Method of Moving Averages, Ratio to Moving Average, Ratio to Trend Method, Link Relative.

Note:

- (A) Nine questions would be set in all.
- (B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
- (C) There would be two questions (16 marks each) from each of four units.
- (D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit))

Suggested Reading:

1. Spiegel, M.R (1992). Theory and Problems of Statistics”, 3rd Edition, McGraw Hill Books London.
2. Croxton, F.E & D.J Cowden and S.K Klein (1973).”Applied General Statistics”, Prentice Hall, New Delhi.
3. Yates, Frank. (1965). Sampling Methods for Census and Surveys, Charles, Griffin Co., London.
4. Gupta S.C and V.K Kapoor (2014), “Fundamentals of Applied Statistics”, S. Chand and Sons, New Delhi.
5. Cochran, W. G., (1977) Sampling Techniques, John Willey, New York.
6. Hansen, Hurditz and Meadow (1953). “Sample Survey Methods and Theory”, John Willey
7. Gupta S. C. (2018). “Fundamentals of Statistics”, Himalaya Publishing house, New Delhi, 7th Edition.
8. Gupta S.P. and Gupta M. P. (2014). “Business Statistics”, Sultan Chand and Sons, New Delhi.



MA (Economics)
SEMESTER-II
18MECOC205 Public Economics (Core)

Max. Marks: 100

Time: 3 Hrs.

Written Exam: 80

Internal Assessment: 20

Unit-I: Public Finance

Economic rationale of government, fiscal functions; market failures: imperfections, decreasing costs, externalities and public goods; concepts of private goods, pure public goods, mixed goods and merit goods; theory of public goods; free Rider's problem, the optimal provision of public goods, contributions of Samuelson and Musgrave. Lindahl equilibrium; public choice and fiscal decision making, Fiscal Federalism and Centre- State Relations

Unit-II: Budgeting

Budgeting: various concepts, reforms in expenditure budgeting, zero based budgeting and performance budgeting. Budgets of the Union Government in India, budget making process in India; public expenditure in India: trends and issues.

Unit-III: Public Expenditure

Public Expenditure: structure and growth of public expenditure; Wagner's hypothesis, Peacock Wiseman hypothesis; economic effects of public expenditure; criteria for public investment, social cost-benefits analysis: valuation of benefits and costs, discount rate.

Unit-IV: Taxation

Theory of Taxation: Various approaches to taxation, neutrality, equity, ability to pay, benefit principle, revenue maximization, income maximization; analysis of incidence of taxes, elasticity, buoyancy and taxable, capacity, efficient tax design: optional taxation, effects of taxation on work effort, savings, investment and growth; classification of taxes: direct and indirect taxes, progressive, proportionate and regressive taxes, Advalorem and specific taxes; tax systems in India; structure, composition and various economic issues.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)).

Suggested Readings:

1. Raja J. Chelliah, (1996). Towards Sustainable Growth, Essays in Fiscal and Financial Sector Reforms in India, Oxford University Press, Delhi.
2. Bhargava P.K. (1991), India's Fiscal Crisis, Ashish Publishing House, New Delhi. Govt. of India,
3. Ministry of Finance (1988), Sarkaria Commission Report on Centre-State Finance Relation
4. Musgrave, R & Musgrave, P B (2017), "Public Finance in Theory and Practice", McGraw – Hill International, 5th edition.
5. Atkinson, A B and Stiglitz, J E (2015) Lectures on Public Finance.
6. Peacock, and Straw, G K (1976). The Economic Theory of Fiscal Policy.
7. Raghendra Jha (2009). Modern Public Economics, Routledge, 1st edition.
8. Govt. of India, Ministry of Finance: Finance Commission Reports (9th to 14th).
9. Govt. of India, Ministry of Finance (1984) Sarkaria Commission Report on Centre State Financial Relations.
10. Jones. Philip and Cullis, Jones (2009). Public Finance and Public Choice- Analytical Perspectives, Oxford University press.
11. Stiglitz, Joseph (1989). Economics of the Public Sector, W.W.Norton and Company, new York/London. 4th Edition.



M.A.(Economics)
Semester-II
18MECOCB206-Indian Economy (CBCS)

Max. Marks: 100

Time: 3 Hrs.

Written Exam:80

Internal Assessment: 20

Unit-I

Growth, Comparison of Growth, Determinant of Growth, Planning in India, Monetary and Fiscal Policy in India, Environment and Growth.

Unit-II

Population, fertility, Mortality, Morbidity, Labour force, Rural and Urban Migration, Informal sector Poverty.

Unit-III

Constraint to agricultural Development, Land Reforms, Industry as the Engine of Growth, Determinant of Industrialization, Excess Growth of Service Sector, Taxation and Reforms.

Unit-IV

Foreign Trade, Determinant of Export and Import, Balance of Payment, Trade and Development, Export Import Policy.

Note:

(A) Nine questions would be set in all.


(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)

Suggested Reading:

1. Dutt Rudder and K.P.M Sundaram (2018). Indian Economy, 72th Edition, S Chand & Co. Ltd. New Delhi.
2. Mishra S.K & V.K Puri. (2018). Indian Economy and –Its Development Experience, 35th Edition, Himalaya Publishing House.
3. Kapila Uma. (2018). Indian Economy: Policies and Performances, 18th Edition, Academic Foundation.
4. Bardhan, P.K. (1999). The Political Economy of Development in India, 9th Edition, Oxford University Press, New Delhi.
5. Jalan, B. (2000). India's Economic Policy- Preparing for the Twenty First Century, Viking, New Delhi.
6. Byres, T. J. (Ed.) (1998). The Indian Economy: Major Debate since Independence, Oxford University Press, New Delhi.
7. Dhar, P.K. (2014) Indian Economy- Its growing dimensions, Kalyani Publishers, New Delhi.
8. Economic surveys, Government of India Various Issues.
9. Reserve Bank of India: Report on Currency and Finance (Annual), Mumbai.
10. Economic and Political Weekly: Various Issues.



SEMESTER-III

Semester- III

18MECOC301-International Economics (Core)

Max. Marks: 100

Written Exam: 80

Time: 3 Hrs.

Internal Assessment: 20

Unit 1: Trade Theories: Classical

Notion of Comparative Advantage (Static versus Dynamic, Natural versus Acquired, Theoretical versus Empirical, etc.); Sources of Comparative Advantage (Technology, Resource Endowments, Demand Patterns, Economies of Scale, Government Policies Etc). Classical Model (Smith, Ricardo, and Haberler): Assumptions, Implications and Limitations; Extension of Ricardian Model: The Specific Factor Model. Standard Model: Analysis of Gains from Free Trade.

UNIT-II: Trade Theories: Neo-Classical

Neo-Classical Model: Assumptions and Their Implications, Factor Substitution, One-to-One Relationship between Factor-Prices, Commodity-Prices and Factor-Intensities; Heckscher-Ohlin, Stolper-Samuelson, Rybczynski and Factor Price Equalization Theorems; Empirical Evidence - the Leontief Paradox.

UNIT-III: Modern Trade Theories and Trade Policy

Intra-Industry Trade - Trade Under The Assumptions of Imperfect Competition and Economies of Scale, Linder's Hypothesis; Dynamic Explanations (Change of Technologies) - Product-Cycle and Technology-Gap Models; Strategic Trade Policy (Management) - The Diamond Model (Michael Porter).

UNIT-IV: Barriers to Trade

Free Trade Versus Protection - Need for Protection, Tariff and Non-Tariff instruments of Trade Policy, Comparison of Tariff and Quota, Learner's Symmetry, Aggregate Measures of Protection, Nominal and Effective Rate of Protection.

Effects of Tariff for Small and Large Countries (Partial Equilibrium Analysis), Effects of Tariff on Distribution of Gains from Trade (General Equilibrium Analysis), the Optimum Tariff, Metzler's Paradox, Domestic Distortions, Trade Distorting Tariffs.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit).

Suggested Reading:

1. Salvatore, D L (2016). Theory and Problems of International Economics, Prentice Hall, Upper Saddle River, New York.
2. Salvatore D L. (2016). International Economics, (12 edition) Wiley Publications.
3. Soderston B O. (1999). International Economics, Macmillan Press Ltd. London.
4. Paul, R Krugman & Maurice (2011). (9th Ed) International Economics, Theory and Policy Obstfeld-Wesley Series in Economics.
5. Krugman, P.R. Obstfeld, and Melitz (2012). International Economics, Pearson Addison Wesley- Boston
6. Ellsworth P T and J Clark Leith (1971). The International Economy, Collier Macmillan Ltd. London
7. Kindlberger, C P, 1991, International Economics, R D Irwin, Homewood, 8th Edition.
8. Sawyer, W.C. and Sprinkle R.L. (2003). International Economics, Prentice-Hall of India, New Delhi.
9. Krugman P.R. and Obstfeld D. (1994), International Economics: Theory and Policy. Third Edition. Harper Collins. New York.
10. Human Development Report 2005, UNDP & Oxford, Chapter-4 (For Trade & Development)
11. Bhagwati, J. (2002). Free Trade Today, Oxford University Press

12. Bhagwati, J. (2004). In Defense of Globalization, Oxford University Press.
13. Bhagwati, Srinivasan and Panagariya (1998), Lectures On International Trade, 2nd Edition, Mit Press
14. BimalJalan (Ed). (1992). The Indian Economy: Problems and Prospects. N. Delhi.
15. Cherunilam, Francis (2006), International Economics, 4th Edition, Tata Mcgraw-Hill, New Delhi
16. Wadhwa, Charan.D. 1994. Economic Reforms in India and the Market Economy. Allied Publishers Ltd. New Delhi.
17. Srinivasan, T. N. (2000). Eight Lectures on India's Economic Reforms, Oxford University Press.

Articles:

- a) Baldwin, R. (1952), "The New Welfare Economics and Gains in International Trade", Quarterly Journal of Economics, 91-101.
- b) Baldwin, R.E. (1960), "The Effects of Tariffs on International and Domestic Prices", Quarterly Journal of Economics, 74(1) 65-70.
- c) Bhagwati, J. (1958), "Immiserizing Growth: A Geometric Note", Review of Economic Studies, 25, 201-205.
- d) Krugman P .R. (1980), "Scale Economics, Product Differentiation and Pattern of Trade." American Economic Review. PP 950-175.
- e) Lancaster, K (1980) "Intra-Industry Trade under Perfect Monopolistic Competition, Journal of International Economics PP. 151-175.
- f) Posner, M. V. (1961) "International Trade and Technical Change: Oxford Economic Paper PP. 323-341.
- g) Vernon. R. (1966) "International Investment and International Trade in the Product Cycle'. Quarterly Journal of Economics. Pp. 197-207.
- h) Metzler L.A. (1949)'Tariff: the Terms of Trade and the Distribution of National Income', Journal of Political Economy, Pp. 1-29.
- i) De Graft V.J. (1949) ".On Optimum Tariff Structure: Review of Economic Studies No. I Pp. 47 - 59
- j) Samuelson, P .A. (1948), "International Trade and the Equalization of Factor Prices, "Economic Journal, Pp 165-184.
- k) Johnson H.G. (1985), "The Gains from Free Trade with Europe: An Estimate". Manchester School of Economics and Social Studies. Pp. 247-255.



Semester-III

18MECOC302- Economics of Growth and Development-I (Core)

Max. Marks: 100

Written Exam: 80

Time: 3 Hrs.

Internal Assessment: 20

Unit I: Concepts and Issues in Economic Growth

Economic development-meaning, development and under development. Perpetuation of underdevelopment – vicious circle of poverty, circular causation structural view of underdevelopment. Goals of economic development- Capability Approach to development, emerging challenges in development. Measurement of Development – conventional, Human Development index and quality of life indices concept of sustainable development.

Unit-II: Classical Theory of Growth and Development

Theories and development: Classical, Marx, Schumpeter and structural analysis of development, Lewis model of development. Renis – Fei Model, dependency theory of development. Rostow's – Theory of stages of economics growth.

Unit-III: Strategies of Economic Growth

Strategies of economics growth: balanced growth, critical minimum efforts, big push, unbalanced growth, low income equilibrium trap.

Unit-IV: Economic Growth Models

John Robinson and Kaldor, Harrod – Domarmodel, instability of equilibrium, Neo-classical growth Solow's model, steady state growth.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight Short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one From each unit)).

Suggested Readings:

- a) Thirlwall, A.P. (2011). Growth and Development, Seven Edition, Palgrave Macmillan, New York.
- b) Tadoro, Michael & Stephen C Smith (2017). Economics Development, Seventh Edition, Oxford University Press, New Delhi.
- c) Ghatak, S. (2003). Introduction to Development Economics, Indian Reprint 2007, Routledge, London
- d) Rist, G. (2002). The History of Development Academic Foundation, New Delhi
- e) Ray, Debraj (2004). Development Economics, Seventh Edition, Oxford University Press, New Delhi.
- f) Taneja M.L. and Myer R.M (2017). Economics of Development and Planning Vishal Publications.
- g) Adelman, I. (1961), Theories of Economic Growth and Development, Stanford University Press, Stanford.
- h) Barro, R. and X. Salai- Martin, Economic Growth, McGraw Hill, New York
- i) Brown, M. (1966). On the Theory and Measurement of Technical Change, Cambridge University Press, Cambridge, Mass.
- j) Chakravarti, S. (1982). Alternative Approaches to the Theory of Economic Growth, Oxford University Press, New Delhi.
- k) Chenery, H. and T.N. Srinivasan (Eds.) (1989). Handbook of Development Economics, Vols. 1 & 2, Elsevier, Amsterdam.
- l) Gillis, M., D.H. Perkins, M. Romer and D.R. Snodgrass (1992). Economics of Development, (3rd Edition), W.W. Norton, New York.
- m) Higgins, B. (1959). Economic Development, W.W. Norton, New York.
- n) Jones, HG. (1975).An Introduction to Modern Theories of Economic Growth, Nelson, London.
- o) Kindleberger, C.P. (1977). Economic Development, (3rd Edition), McGraw Hill, New York.
- p) Meier, G.M. and J.E.Rauch (2005). Leading Issues in Economic Development, (8th Edition), Oxford University Press, New Delhi.
- q) Sen, A.K. (Ed.) (1990). Growth Economics, Penguin, Harmondsworth.



Semester-III
18MECO303-Environmental Economics (Core)

Max. Marks: 100
Time: 3 Hrs.

Written Exam: 80
Internal Assessment: 20

Unit-I

Market Failure and Environmental Goods- Pareto Optimality and Perfect Competition; External Effects in Production and Consumption; Market Failure in Case of Environmental Goods; Incomplete Markets, Externalities, Non-Exclusion; Non-Rivalry; Non Convexity and Asymmetric Information.

Unit-II

Economic Incentives for Environmental Protection- Price Rationing, Pollution Charges, Ambient Charges, Subsidies; Liability Rules, Non-Compliance Fees, Deposit Refund System, Performance Bonds; Quantity Rationing-Market Pollution Permits.

Unit-III

Environment Valuation- Meaning, Measures of Economic Value of Environment WTP and WTAC; Contingent Valuation Method; Travel Cost Method; Hedonic Market Method; Averting Behaviour Approach-Household Health Production Function Method.

Unit-IV

Natural Resources- Types, Classification and Scarcity; Major Environmental Organization:IPCC (Intergovernmental Panel on Climate Change), UNEP(United Nations, Environmental Programme Agency), UNCED (United Nations Conference on Sustainable Development), Global Efforts for Environmental Protection, Environmental Legislation in India,

Note:

- (A) Nine questions would be set in all.
- (B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight Short answer questions of two marks each.
- (C) There would be two questions (16 marks each) from each of four units.
- (D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)).

Suggested Readings:

1. Shankar U. (2001). Environmental Economics, Oxford University press, New Delhi.
2. Hanley, N, J.F Shogern and B. White (1997). Environmental Economics in theory and practice, Macmillan Publications.
3. Hussen A.M (1999). Principals of Environmental Economics, Routledge London. .
4. Cropper, Maureen (1999). Valuing Environmental Benefits, Edward Elgar.
5. James, A.J., M. N. Murty and SmitaMisra (1999). Economics of Water Pollution-The Indian Experience, Oxford University Press, New Delhi.
6. Chary, S.N. and Vyasulu, Vinod (2000). Environmental Management - an Indian Perspective, Macmillan, New Delhi.
7. Jeroen. C.J.M. van den Berg (1999). Handbook of Environmental and Resource Economics, Edward Elgar Publishing Ltd., U.K.
8. Pearce, D.W. and R. Turner (1991). Economics of Natural Resource Use and Environment, John Hopkins University Press, Baltimore
9. Bhattacharya R.N.(2001).Environmental Economics- an Indian Perspective(OUP).



Semester-III
18MECOC304 –Econometrics-I (Core)

Max. Marks: 100
Time: 3 Hrs.

Written Exam:80
Internal Assessment: 20

Unit I

Nature, meaning and econometrics, Simple and general linear regression model: assumptions, estimation (OLS methods); Gauss–Markov theorem; concepts and analysis of variance approach and its application in regression analysis.

Unit II

concepts of R^2 and adjusted R^2 , Estimation of non–linear equations: Semi–log, double–log and Cobb Douglas.

Unit III

Problems in regression analysis: Nature, test, consequences and remedial steps of problems of heteroscedasticity, multicollinearity and auto–correlation;

Unit IV

Problem of specification bias, Simultaneous equations models: The simultaneous equation bias and inconsistency of OLS estimators; The identification problem; Rules of identification– order and rank conditions;

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight Short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)).

Suggested Reading:

1. Amemiya, T. (1985). Advanced Econometrics, Harvard University Press, Cambridge, Mass.
2. Dhrymes, Phoebus (2017). Introductory Econometrics, Springer, Nov. 2017.
3. Frances, P. H. (1998), Business and Economic Forecasting, Cambridge University Press, Cambridge.
4. Gream, Wiilliam (2000). Econometrics Analysis, 8th Edition, 2018 Prentice Hall.
5. Gujarati, N Damodar, Dawn, C. Porter, Sangeeta, Gujasekar, (2011). Basic Econometrics, 5th Edition, McGraw Hill.
6. Intrilligator, M.J. and HasioBadkin (1996), Econometric Models, Techniques and Applications, Prentice Hall
7. Johnson J. and Dinardo, J. (1991). Econometric Methods, 4th Edition, McGraw Hall Book Co. London
8. Kmenta J. (1998). Elements of Econometrics, University of Michigan Press, NewYork
9. Koutsoyiannis, A. (1997), Theory of Econometrics (2nd Edition), The Macmillan Press Ltd., London.
10. Krishna K.L. (1997), Econometrics Application in India, Oxford University Press, New Delhi.
11. Maddala, G.S and Lahari, Kajal (2009) Introduction to Econometrics, 4th Edition 2009, Wiley.
12. Madnani, G.M.K. (1999), Introduction to Econometrics.
13. PattersonKerry.P (2000). An Introduction to Applied Econometrics, Vol.1, Oxford U.K, Blackwell Publishing.
14. Pindyck, R.S. and D.L. Rubinfeld (1976), Econometric Models and Economic Forecasts, McGraw Hill, Tokyo.
15. Theil H. (1981). Introduction to Econometrics, Prentice Hall of India, New Delhi
16. Wooldridge, J.M. (2009). Introductory Econometrics, 6th Edition, South Western.



18MECOE-305-1: Industrial Economics (Elective)

Max. Marks: 100

Written Exam: 80

Time: 3 Hrs.

Internal Assessment: 20

Unit-1

Concept and Organization of a Firm – Ownership, Objectives of the Firm; Growth of the Firm – Size and Growth of a Firm, Growth and Profitability, Constraints on Growth; Productivity, Efficiency and Capacity Utilization – Concept and Measurement; Theories of Industrial Location – Weber and Sargent Theories, Factors affecting Location.

Unit-2

Sellers' concentration- Product Differentiation; Entry conditions, Economies of Scale, market structure and profitability, market structure and innovation; Product pricing – Theories and Evidence; Social cost-benefit Analysis; Theories and Empirical Evidence on Mergers and Acquisitions and diversification.

Unit-3

Classification of industries- Industrial policy in India – Role of Public and Private Sectors; Recent Trends in Indian Industrial Growth; MNCs and Transfer of Technology; Liberalization and Privatization; Regional Industrial Growth in India; Industrial Economic Concentration and Remedial Measures; Development of Cottage and Small Scale Industries.

Unit-4

Industrial Finance- Industrial Financial Institutions: Role and Functioning in India with Special Reference to IDBI, IFCI and ICICI, Structure of Industrial Labour; Employment Dimensions of Indian Industry; Industrial legislation – Industrial Disputes Act and Factories Act.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit).

Suggested Readings:

1. Ahluwalia, I.J. (1986). Industrial Growth in India, Oxford University Press, New Delhi.
2. Bains, J.S Industrial Organization, Cheltenham, U.K. An Elgar Critical
3. Barthwal, R.R. (2010). Industrial Economics, Wiley Eastern Ltd. New Delhi.
4. Cherunilam, F. (1994). Industrial Economics: Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai.
5. Desai, B. (1999). Industrial Economy in India (3rd Edition), Himalaya Publishing House, Mumbai
6. Divine, P.J. And R.M. Jones et al. (1976). An Introduction to Industrial Economics, George Allen and Unwin Ltd., London.
7. Hay, D. And D.J. Moris (1979). Industrial Economics: Theory and Evidence, Oxford University Press, New Delhi.
8. Kuchhal, S.C. (1980). Industrial Economy of India (5th Edition), Chaitanya Publishing House, Allahbad.
9. Mamoria and Mamoria (2015). Dynamics of Industrial Relations in India, Himalaya Publishing House, Mumbai.
10. Smith, D.M. (1981). Industrial Location: An Economic and Geographical Analysis, John Wiley, New York.

Semester-III
18MECOE305-2 -Agricultural Economics (Elective)

Max. Marks: 100

Written Exam: 80

Time: 3 Hrs.

Internal Assessment: 20

Unit-I

Introduction to Agriculture- Agricultural Economics and Economic Development: Definition of agricultural Economics, its scope and nature; Regional disparities in Indian agriculture; Difference between agriculture and Industry; Need for a separate study of Agricultural Economics. Agriculture and Economic Development: Role of agriculture in Economic Development; Contribution of industry to the development of agriculture; Interdependence of agriculture and industry.

Unit-II

Agricultural Growth in India- Recent Trends in Agricultural Growth in India; Inter-Regional Variations in Growth of Output; Cropping Pattern Shifts; Supply of Inputs Irrigation, Power, Seed and Fertilizers; Role of Public Investment & Capital Formation in Indian Agriculture, Land Reforms- Meaning, Objectives of Land Reforms and Ownership v/s Tenancy Cultivation; Green Revolution.

Unit-III

Sustainable Development and Theory of Agriculture: Organic Farming- Present Status and Future, Cooperative Farming, Contract Farming and Collective Farming. Agriculture Credit System in India, Schultz's Transformation of Traditional Agriculture, Mellor's Model of Agricultural Development and Boserup Model of Agricultural Development.

Unit-IV

Agriculture Price Policy- Objectives, Need, Instrument and Weakness of Agriculture Price Policy, Commission of Agricultural Costs and Prices-its Methodologies in Fixing MSP and Costs for Various Crops, World Trade Organization; Impact of World Trade Organization on Indian Agriculture, India's Trade in Agricultural Commodities, Export Potentials of Agricultural Commodities, Measures taken by India to Increase Exports of Agricultural Commodities,

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)).

Suggested Reading:

1. Acharya, S.S. & Agarwal N.L., Agricultural Prices - analysis and policy, Oxford & IBH
2. Basu, K. Agrarian Structure and Economic Under Development (Harwood Academic, London
3. Bhalla G.S. and Y.K. Alagh Performance of Indian Agriculture a district-wise Study.
4. Bilgrami, S.A.R. (1996), Agricultural Economics, Himalaya Publishing House, Delhi. Harque,
5. Dantwala, M.L. et al. (1991). Indian Agricultural Development Since Independence, Oxford & IBH, New Delhi.
6. Drummond H. Evan and Goodwin W. John (2006). Agricultural Economics, Pearson Education, New Delhi.
7. Eicher Carl and Lawrence Witt (Eds.) (1964). Agriculture in Economic Development, New York, McGraw Hill Co.
8. Forster, G.W. and Leoger, M.C. (1959). Elements of Agricultural Economics, Prentice Hall.
9. Ghatak, S. and Ken Ingersent Agriculture and Economic Development.
10. Goodwin, H.G. (1977). Economics of Agriculture, Reston Publishing Co. Halcrow.
11. Heady, E.O (1964). Economics of Agriculture Production and Resources, Prentice Hall of India Pvt. Ltd., New Delhi.



12. Johl S.S. & Kapur T.R, Fundamentals of Farm Business Management, Kalyani Publishers,
13. Kahlon, AS. and Tyagi, D.S. Agricultural Price Policy in India (Allied Pub. New Delhi, 1983).
14. Lehman, Davir (ed) Agrarian Reform and Agrarian reformism in India.
15. Lekhi R.K. & Singh Joginder, Agricultural Economics, Kalyani Publishers, New Delhi.
16. Mellor, J. W. The Economics of Agricultural Development (Vora and Co. Bombay, 1966).
17. Ojala, E.M.(1950). Agriculture and Economic Progress, Oxford University Press, London.
18. Rudra Ashok Indian Agricultural Economics: Myth and Realities (Allied Pub. New Delhi 1982).
19. Sadhu, AN. and A Singh, Agricultural Problems in India (Himalaya Publishing House, Bombay).
20. Sankhayan P.L., Introduction to the Economics of Agricultural Production, Prentice Hall of India
21. Schult, T.Z. Transforming Traditional Agriculture (Yale University Press, 1964).
22. Soni R.N. (2015). Leading Issue in Agriculture Economics, 12th Edition, Vishal Publication.
23. Vaidyanathan, A. (1994). Performance of Indian Agriculture since Independence, Oxford University Press.



MA (Economics)
Semester-III
18MECOE 306– Gender of Economics (CBCS)

Max. Marks: 100

Written Exam:80

Time: 3 Hrs.

Internal Assessment: 20

Unit-I

Importance and Concept of Gender Studies- Defining Gender Debate on Women and Development (1970s and 1980s), Theories of Exploitation and Oppression: Status of Women in India, Women in Patriarchal and Matriarchal Societies Structures, Economic Basics and Functioning of Patriarchy in Developed Countries and LDC, Particularly India.

Unit-II

Gender and Development- Patriarchy and Development- Engendering Development Theories- Approaches to Women's Development, Indicators of Development – Gender Development Index and Gender Empowerment Measure, Demography of Female Population, Age Structure, Mortality Rate and Sex- Ratio. Labour market biases and gender discrimination; Gender and development indices.

Unit-III

Gender Discrimination in India- Gender Discrimination; Labour Force Participation-Occupational Segregation and Wage Differentials w.r.t. Gender Education, Skills and Trends across Regions, Factor Affecting Decision Making by Women, Property Rights; Access to and Control over Economic Resources.

Unit-IV

Nature and Impact of Technological Development- Industrialization and Modernization in Women's Work, Women and Globalization, Gender Budgeting and Women, Female Activities, Ecological and Environmental Concern; the two Way Relationship. Social security of women: entitlements, ensuring economic Independence and risk coverage, access to credit and insurance markets.

Note:

- (A) Nine questions would be set in all.
- (B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
- (C) There would be two questions (16 marks each) from each of four units.
- (D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)).

Suggested Readings:

1. Aggarwal B. (1994). A Field of One's Own, Gender and Land Rights in South Asia Cambridge NIPFP, New
2. Agnihotri, S.B. (2000). Sex ratio in Indian Population: A Fresh Exploration, Sage Publications,
3. Amsden, A.H. (Ed.) (1980). The Economics of Women and Work, Penguin, Harmondsworth.
4. Blaw D Fancine. M.A. Ferber and AE Winkler (2014). The Economics of Men, Women and Work, Routledge.
5. Boserup, Esther (1989). Women's Role in Economic Development, George Allen and Unwin Bakers,
6. Chakborthi, L. (2009). Invisibility of Women's Work in Budgeting Policies, Labour File, Journal and Practical Approaches, Edward Elgar Publishing.
7. Dantwala, M.L., H. Sethi and P. Visaria (1998), Social Change Through Voluntary Action, Sage
8. Desai, N. and M.K.Raj (Eds) (1987). Women and Society In India, Research Centre for Women Studies, SNDT University, Bombay.
9. Drucilla and E. Kuiper (Eds) (2004). Toward A Feminist Philosophy of Economic, Limited, London.
10. Gary C. Beckers (1993). A Treatise on the Family, Harvard University Press.

11. Jaysing, India (2004) Ed. Law Relating to Sexual Harassment at the Workplace.
12. Lourdes Beneria and SavithriBiswanath (2001).Gender and Development: Theoretical Empirical, London.
13. Sen G. And Canen Crown (2013).Development Crises and Alternative Vision, Earthscan Ltd.
14. Seth, M. (2001).Women and Development: The Indian Experience, Sage Publications, New Delhi.
15. Venkateswaran, S. (1995).Environment, Development and the Gender Gap, Sage Publications, New Delhi.



SEMESTER-IV

Unit-I

Balance of Payment- Meaning and Component, Equilibrium and Disequilibrium in Balance of Payment; Foreign Exchange Market (Spot Rate and Forward Exchange Rate, Speculative Pressures) and Exchange Rate: Meaning, Types and Theories of Foreign Exchange Rates: Mint Par Parity Theory; The Purchasing Power Parity Theory; The Balance of Payment Theory.

Unit-II

BOP Adjustment: BOP Adjustment under Gold Standard, Fixed and Flexible Exchange Rates, Elasticity, Monetary and Absorption approach to Balance of Payment Equilibrium, Internal and External Balance simultaneously under Alternative Exchange rate regimes, Expenditure Reducing, Expenditure Switching Policies and Direct Control for Adjustment.

Unit-III

Foreign Trade Multiplier- Meaning and Working of Foreign Trade Multiplier; Foreign Repercussion or Back Wash Effect, Forms of Economic Integration, Static and Dynamic Effects of a Custom Union and Free Trade Area: SAARC, ASEAN, EU, Asian Economic Integration: Rational and Economic Progress. Effects of Trade on Poverty, Inequality, Environment, Gender, Labour Standards, Technological Transfers etc.

Unit-IV

International Monetary and Trade System: IMF Operations and International Liquidity; Rise and fall off gold standard and Bretton-Wood system; World Bank, Trade Policy and Less Developed Countries, Import Substitution versus Export Promotion, Empirical Studies of Trade policy. Functions and Achievements of World Trade Organization. India and WTO.

Note:

- (A) Nine questions would be set in all.
- (B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
- (C) There would be two questions (16 marks each) from each of four units.
- (D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)).

Suggested Reading:

1. Sawyer, W.C. and Sprinkle R.L. (2003), International Economics, Prentice-Hall of India, New Delhi.
2. Salvatore, D L (2016). Theory and Problems of International Economics, Prentice Hall Upper Saddle River, New York.
3. Salvatore D L. (2016). International Economics, (12 edition) Wiley Publications.
4. Soderston B O. (1999). International Economics, Macmillan Press Ltd. London.
5. Paul, R Krugman& Maurice (2011). (9th Ed) International Economics, Theory and Policy Obstfeld–Wesley Series in Economics.
6. Krugman, P.R. Obstfeld, and Melitz (2012). International Economics, Pearson Addition Wesley-Boston
7. Ellsworth P T and J Clark Leith (1971).The International Economy, Collier Macmillan Ltd. London
8. Kindlberger, C P, 1991, International Economics, R D Irwin, Homewood, 8th Edition.



Semester-IV

18MECOE402-Economics of Growth and Development – II (core)

Max. Marks: 100

Written Exam: 80

Time: 3 Hrs.

Internal Assessment: 20

Unit-I

Approaches to Development-Characteristics of Underdevelopment and Structural Change, Approaches to Tackle Underdevelopment: Balanced and Unbalanced Growth, Critical Minimum Efforts Theory, Low Level Equilibrium Trap, Dualistic model of Economic Growth: Lewis, Fei-Ranis, Prebisch and Seers model.

Unit-II

Sectoral Aspects of Development- Role of Agriculture in Economics Development; Barriers to Agricultural Development, Transformation of Traditional Agriculture, Interdependence of Agriculture and Industry, Development and Environment: The Basic Issues, Traditional Economic Models of the Environment, Policy Options for Developing and Developed Countries, International Agencies and Environment.

Unit-III

Development Policymaking and the Role of the State- The Market Mechanism and Market Failures; The Role of State, Corruption, Nature and Rationale for Development Planning, The Planning Process- Some Basic Models, Plan Failures, Development and Political Economy, Fiscal Policy for Development.

Unit-IV

Trade Theory and Development Experience- International Trade as an Engine of Growth; Gains from Trade, Free Trade Theory in Context of Developing Countries Experience, The Prebisch Doctrine, Trade Policy Debate; Export Promotion, Import Substitution and Economic Integration, Trade liberalization and Economic Growth, World Bank and Development.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight Short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one From each unit)).

Suggested Readings:

- 1) Behrman, S. and T.N. Srivasan (1995), Handbook of Development Economics, Vol.-3, Elsevier, Amsterdam.
- 2) Chenery, H.B. et al. (Eds.) (1974), Redistribution with Growth, Oxford University Press,
- 3) Kindleberger, C.P. (1977), Economic Development, (3rd Edition), McGraw Hill, New York.
- 4) Thirlwall, A.P. (2011). Growth and Development, Seven Edition, Palgrave Macmillan, New York.
- 5) Tadoro, Michael & Stephen C Smith (2017) .Economics Development, Seventh Edition, Oxford University Press, New Delhi.
- 6) Meier, G.M & Rauch (2000). Leading Issues in Economic Development, Oxford University Press, and New York.
- 7) Ghatak, S. (2003). Introduction to Development Economics, Indian Reprint 2007 Routledge, London and New York.
- 8) Rist, G. (2002).The History of Development Academic Foundation, New Delhi
- 9) Ray, Debraj (2004).Development Economics", Seventh Edition, Oxford University Press, New Delhi.

Semester-IV
18MECOC403-Indian Economy (Core)

Max. Marks: 100

Time: 3 Hrs.

Written Exam:80

Internal Assessment: 20

Unit-I: Indian Economy

Nature and Characteristics of Indian Economy, National Income, Broad Demographic Features of Indian Population, Performance of Different Sectors. Planning: Objectives and Strategies, Failures and Achievements of Plan, NITI Aayog vs. Planning Commission. New Economic Reforms, LPG Policy.

Unit-II: Indian Economic Problems

Problem of Poverty, Inequalities and Unemployment, Corruption in India, Environmental Degradation in India; Population, fertility, Mortality, Morbidity, Labour force, Rural and Urban Migration

Unit-III: Institutional Structure

Land Reforms in India, Role of Agriculture, Technological Changes in Indian Agriculture. Trends in Agriculture Production and Productivity, Green Revolution Issues in Food Security, WTO and Indian Agriculture; Excess Growth of Service Sector, Taxation Reforms.

Unit-IV: Industrial Development in India

Growth and Pattern, Micro and Small Scale Industries, New Industrial Policy Privatization, Liberalization and Disinvestment. Public Sector Enterprises and their Performance, Service Sector: Growth & Pattern, Labour Sector Reforms; Foreign Trade, Determinant of Export and Import, Balance of Payment, Trade and Development, Export Import Policy

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)

Suggested Reading:

1. Dutt Rudder and K.P.M Sundaram (2018). Indian Economy, 72th Edition, S Chand & Co. Ltd. New Delhi.
2. Mishra S.K & V.K Puri. (2018). Indian Economy and –Its Development Experience, 35th Edition, Himalaya Publishing House.
3. Kapila Uma.(2018). Indian Economy: Policies and Performances, 18th Edition, Academic Foundation.
4. Bardhan, P.K. (1999). The Political Economy of Development in India, 9th Edition, Oxford University Press, New Delhi.
5. Jalan, B. (2000). India's Economic Policy- Preparing for the Twenty First Century, Viking, New Delhi.
6. Byres, T. J. (Ed.) (1998). The Indian Economy: Major Debate since Independence, Oxford University Press, New Delhi.
7. Dhar, P.K. (2014) Indian Economy- Its growing dimensions, Kalyani Publishers, New Delhi.
8. Economic surveys, Government of India Various Issues.
9. Reserve Bank of India: Report on Currency and Finance (Annual), Mumbai.
10. Economic and Political Weekly: Various Issues.



Semester- IV
18MECOC404- Econometrics - II (Core)

Max. Marks: 100

Time: 3 Hrs.

Written Exam:80
Internal Assessment: 20

Unit I

Auto Regressive and Distributed lag Models- Koyak Model, Partial Adjust Model, Adaptive Expectations; Almon Approach to distributed- lag model; Causality tests; Granger and Sim's Test.

Unit II

Dummy Variable Technique- Testing Structural Stability of Regression Models, Comparing two regressions, interaction effects, seasonal analysis, piecewise linear Regression; Regression with dummy dependent variables; The LPM , Logit and Probit Models.

Unit III

Methods of Estimating Simultaneous Equation System; Indirect Least Squares (ILS), Instrumental Variables (IV) , 2SLS and 3SLS Methods. Basic idea and outline of Limited Information Maximum Likelihood (LIML).

Unit IV

Time Series ; Stationarity, Unit Roots, Co-Integration, Dicky Fuller Test, Random Walk Model, Forecasting with ARIMA and VAR Models-Box Jenkins Methodology, Vector Auto Regression (VAR).

1. Gujarati, D.N. (1995), Basic Econometrics (2nd Edition), McGraw Hill, New Delhi.
2. Koutsoyiannis, A. (1997), Theory of Econometrics (2nd Edition), The Macmillan Press Ltd., London. - Johnston, J. (1991), Econometric Methods, McGraw Hill Book Company, London.
3. Maddala, G.S. (1993), Econometrics Methods and Applications, (2 Vol.), Alder shot, U.K.
4. Krishna K.L. (1997), Econometrics Application in India, Oxford University Press, New Delhi.
5. Kmenta, J. (1997), Elements of Econometrics, University of Michigan Press, New York.
6. Intrilligator, M.D. (1978), Econometrics Techniques and Applications, Prentice Hall, New Jersey.
7. Pindyck, R.S. and D.L. Rubinfeld (1976), Econometric Models and Economic Forecasts, McGraw Hill, Tokyo.
8. Frances, P. H. (1998), Time Series Models for Business and Economic Forecasting, Cambridge University Press, Cambridge.



Semester-IV
18MECOE 405-1- : Monetary Economics

Max. Marks: 100

Time: 3 Hrs.

Written Exam:80

Internal Assessment: 20

UNIT- I

Money and the Economy: Money Supply and Money Demand-Classical, Keynesian, Monetarist and Post-Keynesian views- Emergence of Monetarism-Monetarist- Analytical Framework-Transmission Mechanism- Liquidity Approach to Monetary Theory-Gurley-Shaw Thesis Implications for monetary policy.

UNIT-II

Money, Interest and Income: Heterogeneity of Interest Rate Determination- Neo-Classical, Keynesian and IS-LM Curve Approach – Rate of interest and investment, Income and output- Administered Interest Rates and Market Determined Interest Rates- Interest rates and Demand for Money - Implications for Monetary Management.

UNIT-III

Money and Prices: Interrelationship between money and Prices- Classical, Keynesian, Monetarist- and New Classical Approach: Demand Pull Theory of Inflation – Social Costs of Inflation- Inflationary Expectations – The Phillips Curve and Other factors; Monetary factors and Economic Fluctuations Monetary Theories of Business Cycles

UNIT-IV

Monetary Policy: Introduction – Goals – Targets – Indicators and Instruments – Limitations of Monetary Policy – The Time Lags in the Monetary Policy – Efficiency of Monetary Policy – Some Aspects of Credit Policy – Monetary Policy with informal Financial Markets – Monetary – Fiscal Co-ordination; IS-LM Curve Approach ; Significance, Opportunities and Challenges- The IMF – A World Central Bank.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)

Suggested Reading:

1. Shubik Martin, (1999). The Theory of Money and Financial Institution, Volume I and II Cambridge, the MIT Press
2. Stiglitz, Joseph E and Bruce E. Greenwald (2003). Towards a New Paradigm in Monetary Economics, Cambridge, the Cambridge University Press
3. Hajala T.N. (1998). Monetary Economics, Kanark Publishers Pvt. Limited, New Delhi
4. Gupta S.B. (2010). Monetary Economics, S.Chand& Company, New Delhi.
5. Diulio, A.E. (1987). Theory and Problems of Money and Banking, International Edition.
- 5.The Reserve Bank of India (1983). The Reserve Bank of India: Functions and Working, Bombay.
- 6.Kulkarni, G. (2003). Modern Monetary Theory, Macmillan New Delhi.
- 7.Bhole, L.M. (2000). Indian Financial System, Chugh Publications, Allahabad.
- 8.Hanson, J.A. and S. Kathuria (2002). India: A Financial Sector for the Twenty First Century, OUP, New Delhi.
- 9.Khan, M.Y. (2009). Indian Financial System, Tata McGraw Hill, New Delhi.
- 10.Machiraju, M.R. (2010). Indian Financial Systems, Vikas Publishing House, New Delhi.
- 11.Prasad, K.N. (2001). Development of India's Financial System, Sarup and Sons, New Delhi.
- 12.Johnson, H.J. (1993). Financial Institutions and Markets, McGraw Hill, New York



MA Economics
Semester-IV
18MECOE405-2 -Urban Economics (Elective)

Max. Marks: 100
Time: 3 Hrs.

Written Exam:80
Internal Assessment:20

Unit-I

The concept and definition of urban and urbanization and Urbanism; Analytical and historical Perspective of the origin and evolution of urban settlements.

Unit-II

Analytical and historical perspective of the patterns of urbanisation. Urban transition and the components of urban growth. Determination of Urbanisation

Unit-III

Economic Growth, development and urbanisation: The role of urbanisation in economic development; Role of economic development in redistribution of population. Migration: Factors determining Migration.

Unit-IV

Rural-urban relationship: theory of urban bias, terms of trade and resource flow; the over-urbanisation debate. Over Urbanisation debate. Agglomeration Economies. Urbanization Inequality and poverty, slums and Basic Amenities

Note: (A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)

Suggested Reading:

1. O'Sullivan, A (2003). Urban Economics (3rd Edn.), IRWIN, London. (Chapters 1-4)
2. HABITAT (1996). *An Urbanizing World- Global Report on Human Settlements 1996*, Oxford University Press: New York
3. Richardson, H.W (1988). *New Urban Economics*, Dryden Press, Hinsdale
4. Balchin, Paul N, Issac, David and Chen, Jean (2000). *Urban Economics: a global perspective*, Palgrave, New York.
5. United Nations (2015). Department of Economic and Social Affairs, Population Division.
6. *World Urbanization Prospects: The 2014 Revision*, United Nations New York, 2015.
7. Ratnoo, H.S. (2016). *Migration of Labour in India: The Squatter Settlements of Delhi* Routledge: Abingdon, Oxford.



Semester-IV
18MECOE405-3- Haryana Economy (Elective)

Max. Marks: 100

Time: 3 Hrs.

Written Exam: 80

Internal Assessment: 20

Unit-1

Economic Structure of Haryana Economy- Regional Economics- Concept, Scope and Framework, Regional Economic Problems, Different Approaches to Regional Economic Analysis, Economic Structure of Haryana Economy- Growth Performance and State GDP Estimates of Haryana, Sectoral Composition and Structural Changes, Broad; Demographic Feature of Haryana, Contribution of Haryana Economy to Indian Economy.

Unit-2

Agriculture Sector- Role of Agriculture in Haryana, Green Revolution, Strategy, Irrigation Facilities, Agriculture Diversification, Land Reforms in Haryana Agriculture, Rural Credit and Indebtedness, Agriculture Marketing, WTO and Haryana Agriculture.

Unit-3

Haryana Industry- Pattern, Performance, Constraints and Challenges, Small Scale Industry, State and Industrial Development, State Finance- Source of Revenue and Expenditure, Budgetary Deficits, Financial Health of State. FDI in Haryana: Promotion schemes of Government. Special economics and Industrial zones in Haryana: Rationale, significance and achievements.

Unit-4

Infrastructure and Human Development- Power Sector, Haryana Electricity Regulatory Commission, Pricing Policy and Finance, Rural Electrification, Transport Sector, Urban Infrastructure, Haryana Development Authority, State Human Development Indicator and Index.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (one compulsory and selecting one from each unit)

Suggested Reading:

1. Harry W. Richardson: Regional Economics, Weidenfeld and Nicolson, London.
2. Edger M. Hoover: An Introduction to Regional Economics, Alfred A. Knopf, New York.
3. Harry W. Richardson: Elements of regional economics, Penguin.
4. D.R. Choudhary (2007), Haryana At Cross Roads: Problems and Prospects National Book Trust, India, New Delhi.
5. S.P. Gupta, Three Decades of Haryana Economy, S P Publications, 144, Shivalik Enclave (NAC), Manimajra – 160101
6. Ministry of Finance; Government of Haryana: Haryana Statistical Abstract (various issues)
7. Ministry of Finance; Government of Haryana: Economic Survey (various Issues)
8. Planning Commission, Govt. of India (2009): Haryana Development Report, Govt. of India, New Delhi.

