

**NEP and Learning Outcome-based Curriculum
Frame Work (LOCF)**

For

**Post Graduate
M.A. Economics**

(To be effective from the Academic Session 2024-25)



Department of Economics

Gurugram University, Gurugram

(A State Govt. University Established Under Haryana Act17 of 2017)

Scheme of Programme – M.A. Economics (2024-26)

Semester 1

Course Code	Course Title	Course ID	L	T	P	L		T	P	Total Credits	MARKS					
			(Hrs)			Credits			TI		TE	PI	PE	Total		
Core Course(s)																
CC-A01	Micro Economics -I	241/ECO/CC101	3	1	0	3	0	1	0	4	30	70	0	0	100	
CC-A02	Macro Economics -I	241/ECO/CC102	3	1	0	3	0	1	0	4	30	70	0	0	100	
CC-A03	Mathematics for Economists	241/ECO/CC103	3	1	0	3	0	1	0	4	30	70	0	0	100	
Discipline Specific Elective Courses																
DSE-01 One from the pool	1. Indian Economy -I	241/ECO/DS104	2	1	0	2		1	0	3	25	50	0	0	75	
	2. Money & Banking	241/ECO/DS105														
Multidisciplinary Course(s)																
MDC-01 One from Pool	One from pool		2	1	0	2	0	1	0	3	25	50			75	
Ability Enhancement Course(s)																
AEC-01 One from Pool	One from pool		2	0	0	2	0	0	0	2	15	35			50	
Value-added Course(s)																
VAC-01 One from Pool	One from pool		2	0	0	2				2					50	
Total Credits										22						

Semester 2

Course Code	Course Title	Course ID	L	T	P	L	T	P	Total Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)														
CC-A04	Micro Economics -II	241/ECO/CC201	3	1	0	3	1	0	4	30	70			100
CC-A05	Macro Economics - II	241/ECO/CC202	3	1	0	3	1	0	4	30	70			100
CC-A06	Statistical Methods	241/ECO/CC203	3	1	0	3	1	0	4	30	70			100
Discipline Specific Elective Courses														
DSE-02	1. Indian Economy -II	241/ECO/DS204	2	1	0	2	1	0	3	25	50			75
	2. Environmental Economics	241/ECO/DS205												
Multidisciplinary Course(s)														
MDC-02	One from pool		2	1	0	2	1	0	3	25	50			75
One from pool														
Ability Enhancement Course(s)														
AEC-02	One from pool		2	0	0	2	0	0	2	15	35			50
One from pool														
Skill Enhancement Course(s)														
SEC-01	One from pool		1	0	1	2	0	0	2	15	35			
One from pool														
Total Credits									22					

Semester 3

Course Code	Course Title	Course ID	L	T	P	L	T	P	Total Credits	MARKS				
			(Hrs)	Credits			TI	TE		PI	PE	Total		
Core Course(s)														
CC-A07	Economics of Growth and Development	241/ECO/C3101	3	1	0	3	1	0	4	30	70			100
CC-A08	International Trade and Finance -I	241/ECO/CC302	3	1	0	3	1	0	4	30	70			100
CC-A09	Econometrics	241/ECO/CC303	3	1	0	3	1	0	4	30	70			100
Discipline Specific Elective Courses														
DSE-03 One from the pool	1. Agricultural Economics -I 2. Demography -I	241/ECO/DS304	2	1	0	2	1	0	3	25	50			75
Multidisciplinary Course(s)														
MDC-03	One from pool		2	1	0	2	1	0	3	25	50			75
Skill Enhancement Course(s)														
SEC-02	One from pool		2	0	0	2	0	0	2	15	35			50
Value-added Course(s)														
VAC-02 One from pool	One from pool		2			2			2	15	35			50
Seminar														
Seminar									2					
Internship/Field Activity#														
									4					
Total Credits									28					

#Four credits of internship earned by a student during summer internship after 2nd semester will be counted in 3rd semester

Semester 4

Course Code	Course Title	Course ID	L	T	P	L	T	P	Total Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)														
CC-A10	Public Economics	241/ECO/CC401	3	1	0	3	1	0	4	30	70			100
CC-A11	International Trade and Finance - II	241/ECO/CC402	3	1	0	3	1	0	4	30	70			100
Discipline Specific Elective Courses														
DSE-04 One from pool	1. Agricultural Economics -II	241/ECO/DS403	2	1	0	2	1	0	3	25	50			75
	2. Demography - II	241/ECO/DS404												
Multidisciplinary Course(s)														
MDC-04	One from pool		2	1	0	2	1	0	3	25	50			75
Ability Enhancement Course(s)														
AEC-03	One from pool		2	0	0	2	0	0	2	15	35			50
Community Engagement/Field Work/Survey/Seminar														
Seminar									6					
Total Credits									22					

SYLLABUS
M.A. ECONOMICS 2024-26

SEMESTER- I

241/ECO/CC101	Micro Economics -I
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Max. Marks: 100

Credits: 4

Written Exam: 70

Internal Assessment: 30

Note For the paper Setter

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. For the remaining eight questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

UNIT – I

Theories of Consumer Behaviour -I

Demand Analysis: Law of Demand, demand of an individual and Market, change in demand and change in quantity demanded; Demand Function, Elasticity of Demand - Price, Cross and Income Elasticity of Demand, Measurement of Price Elasticity of Demand, determinants of price elasticity of demand Cardinal Utility Approach – Basic concepts, Law of Diminishing Marginal Utility, Principle of Equi – Marginal Utility, Consumer's Equilibrium, Derivation of demand curve, Critical Evaluation of Cardinal Marginal Utility Analysis, Bandwagon, Snob and Veblen Effect.

UNIT – II

Theories of Consumer Behaviour - II

Ordinal Utility Approach, Indifference curve Analysis, Budget Line, Consumers equilibrium. Price, Income and Substitution effects (Hicks Allen & Slutsky method), Price consumption curve, Derivation of demand curve, Income Consumption Curve, Engel curve, Comparison of utility and Indifference Curve analysis, Criticism of Indifference Curve Analysis, Revealed Preference Theory.

UNIT -III

Theory of Production

Laws of Production: short run and long run. Internal and External economies and diseconomies. Isoquant Curve Analysis: Isoquant curve, Isoquant map, Properties of isoquant curve, Ridge Lines, Iso – cost line, Least Cost Combination and Producer's Equilibrium. Technical Progress and Production function: Hick's Classification, Properties of Cobb-Douglas and CES production function.

UNIT -IV

Concept of cost, Traditional and Modern theories of Costs

Basic concepts of revenue, Market Structure and features of various markets, Revenue curves under different market situation, Price and output determination, Perfect competition: Price determination, Time element and price determination, Equilibrium of Firm and Industry, Supply curve of a firm and industry.

Note For the paper Setter

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. For the remaining eight questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit-I**Determination of Output and Employment:**

Classical Approach – Output and Employment in Classical Theory; 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.

Unit-II**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; The IS-LM Elasticities and Monetary Fiscal Policies.

Unit-III**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.

Unit-IV**Behavioral Foundation:**

Theories of consumption – The Absolute Income Hypothesis, The Relative Income Hypothesis; The Permanent Income Theory of Consumption; The Life cycle theory of consumption; Theories of Investment – The Present Value of Criterion for investment; The Marginal Efficiency of Capital and Investment; the multiplier, super multiplier, the accelerator theory.

Max. Marks: 100**Written Exam: 70****Credits: 4****Internal Assessment: 30****Note For the paper Setter**

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus ($2 \times 7 = 14$ marks).
3. For the remaining eight questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

UNIT-I**Matrices and Determinants**

Types of Matrices, Simple Operation on Matrices (Addition, Subtraction and Multiplication), Determinants (Two and Three Order), Properties of Determinants, Inverse of a Matrix, Rank of A Matrix. Solution of Simultaneous Linear Equation and Economic Applications of Matrices (Cramer's Rule and Matrix Inverse Method).

UNIT -II**Simple Derivatives-**

Rule of Differentiation (Power Function Rule, Constant Rule, Multiplicative Constant Rule, Sum (or Difference) Rule, Product Rule, Quotient Rule and Chain Rule). Derivative of Logarithmic and Exponential Function. Higher Order Derivative. Economic Application of Simple Derivatives (Price And Income Elasticity of Demand, Average and Marginal Cost, APC and MPC). Partial Derivatives- First Order and Higher Order Partial Derivatives

UNIT-III**Integration**

Basic Rules of Integration (Power and Exponential Function, Extension Of Power And Exponential Function), Integration By Division. Method of Integration (Integration by Substitution and Integration by Parts). Definite Integral- Definition and Notation. Economic Application of Integration (Revenue Function, Cost Function, Profit Function and Consumption Function).

UNIT-IV**Difference Equations**

Linear Differential Equation of First Order and Second Order with Constant Coefficients. Rule to Find the Particular Integral.

Difference Equation- Homogenous Linear Difference Equation with Constant Coefficients (First Order and Second Order).

Max. Marks: 75**Written Exam: 50****Credits: 3****Internal Assessment: 25****Note for the paper Setter**

1. Seven Questions will be set in all and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. For the remaining six questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Unit-I**Introduction to Indian Economy**

Features of Indian Economy, Nature and characteristics, Economic Planning in India: Features, Objectives and Assessment of Indian Planning. (Plan wise details to be excluded). Planning commission to NITI Aayog. Trends of National income of India since 1951.

Unit -II**Problems in Indian Economy:**

Unemployment, Inequality, Poverty and Parallel economy in India in current Scenario and measures taken by Govt. to reduce these problems. Labour force and occupational structure.

Unit-III:**Agriculture:**

Importance/ Role of Agriculture; Nature of India's agriculture, Causes of backwardness and low productivity; Land Reforms: Need, Implementation and Critical Evaluation. Critical evaluation of Green revolution in India.

Max. Marks: 75**Written Exam: 50****Credits: 3****Internal Assessment: 25****Note for the paper Setter**

1. Seven Questions will be set in all and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. For the remaining six questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Unit I

Money and Its Functions Evolution of money, Money: Meaning and functions; Classification of money: Money and Near Money; Qualities of good money material; Role of money in a developing and mixed economy: Gresham's Law

Unit 2

Commercial Banks Commercial Banks: Meaning and functions; Types of Banks; Role of Commercial Banks in a developing economy, Structure of Indian Commercial Banking; Banking Sector Reforms in India since 1991.

Central Bank: Meaning and Functions; Objectives of Credit Control: Qualitative and quantitative Methods of Credit Control; Role of Central Bank in Developing Economy.

Unit 3

Monetary and Fiscal Policies Monetary and fiscal policy: Meaning, Features; Role of Monetary and Fiscal policy in developing countries; Monetary Policy Effects on Demand, Fiscal Policy Effects on Demand, Fiscal Policy and Investment, Interaction of Monetary and Fiscal Policies.

Suggested Readings

- Hajela, T.N., (2009) Money and Banking, Ane Books Pvt Ltd., New Delhi.
- Sundharam KPM, Banking: Theory, Law and Practice, Sultan Chand and Sons, New Delhi (recent edition)
- M.R. Baye, D.W. Jansen (1996), Money, Banking and Financial Markets, AITBS (Indian ed.)
- K.C. Sekhar: Banking – Theory and Practice, Vikas Publishing House, New Delhi (recent edition).
- S.B. Gupta, Monetary Economics, S. Chand Publications, New Delhi.
- M.L. Seth, Monetary Economics, Vikas Publications, New Delhi
- R.R. Paul, Money, Banking & International Trade, Kalyani Publications, Ludhiana.

Semester-II

241/ECO/CC201	Micro Economics - II
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Max. Marks: 100

Written Exam: 70

Credits: 4

Internal Assessment: 30

Note For the paper Setter

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. For the remaining eight questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each)

UNIT - I

Monopoly and Monopolistic Competition

Sources of Monopoly power, Measurement of degree of Monopoly power, Price and output determination, Price discrimination, Bilateral Monopoly.

Monopolistic competition - Equilibrium of the firm, Group Equilibrium, product differentiation, Non – Price Competition and selling cost.

UNIT - II

Oligopoly

Price and output determination, Non-Collusive: Cournot's model, Bertrand Model, Kinked demand curve and price rigidity

Collusive: Price leadership, Cartels.

UNIT -III

Theory of factor pricing (mainly with reference to labour)

A firm's and Market demand for labour with one and severable variable inputs and its determinants, Supply of labour to a firm, Firm equilibrium and wage rate determination under i) competitive conditions in both product market and factor market, ii) Perfect Competition in factor market and imperfect competition in product market iii) Imperfect Competition (monopsony) in factor market & Perfect Competition in product market, iv) Monopoly in product market and monopsony in the labour market and concept of exploitation of labour

UNIT -IV

General Equilibrium Approach

The Walrasian approach to general equilibrium; Existence, stability and uniqueness of the partial equilibrium; Concept of Social Welfare, Pareto Optimality; Maximization of social welfare; Market failure: Externalities, Public goods and asymmetric information, The theory of second best.

Max. Marks: 100**Written Exam: 70****Credits: 4****Internal Assessment: 30****Note For the paper Setter**

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. For the remaining eight questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit-I**The Demand for Money:**

Classical Approach to Demand for Money – Quantity Theory Approach; Fisher's equilibrium; Cambridge Quantity theory; Keynes Liquidity Approach, Aggregate Demand for Money; Friedman, Patinkin Baumol and Tobin

Unit-II**The supply for money:**

Measurement and Determinants of money supply, High-powered money, Money Multiplier, Behavioral model of money, Instruments of money control
Determination theories of interest rates; Classical, loanable fund theory and Keynesian theory. Theories of term structure of interest rate.

UNIT - III**Inflation:**

Definition of Inflation; Economic effects of Inflation – The effect of Inflation on the distribution of Income and Wealth, Output, Employment and the Growth Rate; Demand Side and Supply Side theories of inflation. Inflation and unemployment: The Phillips Curve, The Inflationary Pressure Curve: Phillips Curve, Inflationary Pressure Curve and the Inflation Rate. The Phillips Curve; Trade Off and Non-Trade-Off, Adaptive Expectation and Rational Expectation, Keynesianism Vs Monetarism.

Unit-IV**Trade Cycles**

Models of Samuelson, Hicks and Kaldor, Economic Growth: Harrod- Doman Model; Neo-Classical Model (with money & without money). International Adjustment: The Determination of National Income in Open Economy; The International Transmission of Disturbance: Transmission under Fixed Exchange Rate; Transmission under Floating Exchange Rate (Mudel Fleming Model)

Max. Marks: 100**Written Exam: 70****Credits: 4****Internal Assessment: 30****Note For the paper Setter**

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus ($2 \times 7 = 14$ marks).
3. For the remaining eight questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit-I**Measure of central tendency**

A.M, G.M, H.M., Median, Mode, Measures of dispersion-range, quartile deviation, Mean deviation, standard deviation, Lorenz curve.

Unit-II**Correlation & Regression**

Karl Pearson's Coefficient of Correlation, Rank correlation; Regression analysis, Types of Regression, Lines of Regression, Regression coefficients, Fitting of regression lines (Method of least square, Two variable only), Properties of Regression Coefficients, uses of Regression Analysis in statistics.

Unit III**Index numbers**

Concept and method of construction of various type of indices, Laspeyer's, Paasche's and Fisher's index numbers; Family budget method. Tests of an ideal index number. Chain indices or Chainbase Index Numbers. Base Shifting, Splicing and Deflating of Index Numbers, Cost of Living Index Numbers.

Unit IV**Probability**

Random experiment, Random variable, Sample space and events. Permutation and combinations. Theorems of Probability (Addition and Multiplication). Theoretical Distribution- Binomial, Poisson and Normal, with their properties.

Note for the paper Setter

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2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. For the remaining six questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Unit-I**New Economic Reform and Agriculture:**

Indian Agriculture and WTO, Trends in Agricultural prices, Agricultural Price Policy, Agricultural subsidies, Public distribution system, Impact of public expenditure on agricultural growth of India.

Unit-II**New Economic Policy and Industry:**

Strategy of industrialization, Privatization, Disinvestments, Role of foreign direct investment. New Economic Policy and Trade: WTO and new EXIM policy. New Exchange Rate Regime: Partial and full convertibility, Capital account convertibility.

Unit-III**Demography**

Demographic features of India's population, Malthusian theory of population, Theory of demographic transition. Population and Economic Development, Population explosion, Causes and Remedies for population explosion, Population policy.

Max. Marks: 75**Written Exam: 50****Credits: 3****Internal Assessment: 25****Note for the paper Setter**

1. Seven Questions will be set in all and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. For the remaining six questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Unit - I

Environment, ecology and economy; 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-convexities and asymmetric information.

Unit - II

Environmental policy framework in India - problems of command & control regime; New Environment Policy. Natural resources: types, classification and scarcity; Elementary capital theory; Economics of natural resources.

Unit – III

Coase's bargaining solution and collective action. Measures of economic value of environment WTP and WTAC; Contingent valuation method; Travel cost method; Hedonic market methods; Averting behaviour approach - household health production function method.

Suggested Readings

- Henderson, J.M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
- Hanley, N., J.F. Shogern and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
- Cropper, Maureen (1999), Valuing Environmental Benefits, Edward Elgar.
- Sankar, U. (Ed.) (2001), Environmental Economics, Oxford University Press, New Delhi.
- James, A.J., M. N. Murty and Smita Misra (1999), Economics of Water Pollution – The Indian Experience, Oxford University Press, New Delhi.