

NARUMALAR DEEPAM ACADEMY
DHARMAPURI - 8122190917

College TRB – ECONOMICS – SYLLABUS AND TEST SCHEDULE

UNIT - I MICROECONOMICS

- Theory of Consumer Behaviour
- Theory of Production and Costs
- Decision making under uncertainty Attitude towards Risk
- Game Theory – Non Cooperative games
- Market Structures, competitive and non-competitive equilibria and their efficiency properties
- Factor Pricing
- General Equilibrium Analysis
- Efficiency Criteria: Pareto-Optimality, Kaldor – Hicks and Wealth Maximization
- Welfare Economics: Fundamental Theorems, Social Welfare Function
- Asymmetric Information: Adverse Selection and Moral Hazard

UNIT II MACROECONOMICS

- National Income: Concepts and Measurement
- Determination of output and employment: Classical & Keynesian Approach
- Consumption Function
- Investment Function
- Multiplier and Accelerator
- Demand for Money
- Supply of Money
- IS – LM Model Approach
- Inflation and Phillips Curve Analysis
- Business Cycles
- Monetary and Fiscal Policy
- Rational Expectation Hypothesis and its critique

UNIT – III Statistics and Econometrics

- Probability Theory: Concepts of probability, Distributions, Moments, Central Limit theorem
- Descriptive Statistics – Measures of Central tendency & dispersions, Correlation, Index Numbers
- Sampling methods & Sampling Distribution
- Statistical Inferences, Hypothesis testing
- Linear Regression Models and their properties – BLUE

- Identification Problem
- Simultaneous Equation Models – recursive and non-recursive
- Discrete choice models
- Time Series Analysis

UNIT IV Mathematical Economics

- Sets, functions and continuity, sequence, series
- Differential Calculus and its Applications
- Linear Algebra – Matrices, Vector Spaces
- Static Optimization Problems and their applications
- Input-Output Model, Linear Programming
- Difference and Differential equations with applications

UNIT V International Economics

- International Trade: Basic concepts and analytical tools
- Theories of International Trade
- International Trade under imperfect competition
- Balance of Payments: Composition, Equilibrium and Disequilibrium and Adjustment Mechanisms
- Exchange Rate: Concepts and Theories
- Foreign Exchange Market and Arbitrage
- Gains from Trade, Terms of Trade, Trade Multiplier
- Tariff and Non-Tariff barriers to trade; Dumping
- GATT, WTO and Regional Trade Blocks; Trade Policy Issues
- IMF & World Bank

UNIT VI Public Economics

- Market Failure and Remedial Measures: Asymmetric Information, Public Goods, Externality
- Regulation of Market – Collusion and Consumers' Welfare
- Public Revenue: Tax & Non-Tax Revenue, Direct & Indirect Taxes, Progressive and non-Progressive Taxation,
- Incidence and Effects of Taxation
- Public expenditure
- Public Debt and its management
- Public Budget and Budget Multiplier
- Fiscal Policy and its implications

UNIT VII Money and Banking

- Components of Money Supply
- Central Bank
- Commercial Banking
- Instruments and Working of Monetary Policy
- Non-banking Financial Institutions
- Capital Market and its Regulation

UNIT VIII Growth and Development Economics

- Economic Growth and Economic Development

- Theories of Economic Development: Adam Smith, Ricardo, Marx, Schumpeter, Rostow, Balanced & Unbalanced growth, Big Push approach.
- Models of Economic Growth: Harrod-Domar, Solow, Robinson, Kaldor
- Technical progress – Disembodied & embodied; endogenous growth
- Indicators of Economic Development: PQLI, HDI, SDGs
- Poverty and Inequalities – Concepts and Measurement
- Social Sector Development: Health, Education, Gender

UNIT IX Environmental Economics and Demography

- Environment as a Public Good
- Market Failure
- Coase Theorem
- Cost-Benefit Analysis and Compensation Criteria
- Valuation of Environmental Goods
- Theories of Population
- Concepts and Measures: Fertility, Morbidity, Mortality
- Age Structure, Demographic Dividend
- Life Table
- Migration

UNIT X Indian Economy

- Economic Growth in India: Pattern and Structure
- Agriculture: Pattern & Structure of Growth, Major Challenges, Policy Responses
- Industry: Pattern & Structure of Growth, Major Challenges, Policy Responses
- Services: Pattern & Structure of Growth, Major Challenges, Policy Responses
- Rural Development – Issues, Challenges & Policy Responses
- Urban Development – Issues, Challenges and Policy Responses.
- Foreign Trade: Structure and Direction, BOP, Flow of Foreign Capital, Trade Policies
- Infrastructure Development: Physical and Social; Public-Private Partnerships
- Reforms in Land, Labour and Capital Markets
- Centre-State Financial Relations and Finance Commissions of India; FRBM
- Poverty, Inequality & Unemployment

Test Plan

S. No	Test	Syllabus
UNIT - I MICROECONOMICS		
1	Test -1	<ul style="list-style-type: none"> ➤ Theory of Consumer Behaviour ➤ Theory of Production and Costs
2	Test -2	<ul style="list-style-type: none"> ➤ Decision making under uncertainty Attitude towards Risk ➤ Game Theory – Non Cooperative games ➤ Market Structures, competitive and non-competitive equilibria and their efficiency properties
3	Test -3	<ul style="list-style-type: none"> ➤ Factor Pricing ➤ General Equilibrium Analysis ➤ Efficiency Criteria: Pareto-Optimality, Kaldor – Hicks and Wealth Maximization
4	Test -4	<ul style="list-style-type: none"> ➤ Welfare Economics: Fundamental Theorems, Social Welfare Function ➤ Asymmetric Information: Adverse Selection and Moral Hazard
5	Test -5	<ul style="list-style-type: none"> ➤ Unit – I Micro Economics Full Test
UNIT II MACROECONOMICS		
6	Test -6	<ul style="list-style-type: none"> ➤ National Income: Concepts and Measurement ➤ Determination of output and employment: Classical & Keynesian Approach
7	Test -7	<ul style="list-style-type: none"> ➤ Consumption Function ➤ Investment Function ➤ Multiplier and Accelerator
8	Test -8	<ul style="list-style-type: none"> ➤ Demand for Money ➤ Supply of Money ➤ IS – LM Model Approach
9	Test -9	<ul style="list-style-type: none"> ➤ Inflation and Phillips Curve Analysis ➤ Business Cycles ➤ Monetary and Fiscal Policy ➤ Rational Expectation Hypothesis and its critique
10	Test -10	<ul style="list-style-type: none"> ➤ Unit-II Macro Economics Full Test
UNIT – III STATISTICS AND ECONOMETRICS		
11	Test -11	<ul style="list-style-type: none"> ➤ Probability Theory: Concepts of probability, Distributions, Moments, Central Limit theorem

		<ul style="list-style-type: none"> ➤ Descriptive Statistics – Measures of Central tendency & dispersions, Correlation, Index Numbers
12	Test -12	<ul style="list-style-type: none"> ➤ Sampling methods & Sampling Distribution ➤ Statistical Inferences, Hypothesis testing
13	Test -13	<ul style="list-style-type: none"> ➤ Linear Regression Models and their properties – BLUE ➤ Identification Problem
14	Test -14	<ul style="list-style-type: none"> ➤ Simultaneous Equation Models – recursive and non-recursive ➤ Discrete choice models ➤ Time Series Analysis
15	Test -15	<ul style="list-style-type: none"> ➤ Unit-3 Statistics and Econometrics over full test
UNIT IV MATHEMATICAL ECONOMICS		
16	Test -16	<ul style="list-style-type: none"> ➤ Sets, functions and continuity, sequence, series
17	Test -17	<ul style="list-style-type: none"> ➤ Differential Calculus and its Applications ➤ Linear Algebra – Matrices, Vector Spaces
18	Test -18	<ul style="list-style-type: none"> ➤ Static Optimization Problems and their applications ➤ Input-Output Model, Linear Programming
19	Test -19	<ul style="list-style-type: none"> ➤ Input-Output Model, Linear Programming ➤ Difference and Differential equations with applications
20	Test -20	<ul style="list-style-type: none"> ➤ Unit-4 Mathematical Economics over full test.
UNIT V INTERNATIONAL ECONOMICS		
21	Test -21	<ul style="list-style-type: none"> ➤ International Trade: Basic concepts and analytical tools ➤ Theories of International Trade ➤ International Trade under imperfect competition
22	Test -22	<ul style="list-style-type: none"> ➤ Balance of Payments: Composition, Equilibrium and Disequilibrium and Adjustment Mechanisms ➤ Exchange Rate: Concepts and Theories
23	Test -23	<ul style="list-style-type: none"> ➤ Foreign Exchange Market and Arbitrage ➤ Gains from Trade, Terms of Trade, Trade Multiplier

		➤ Tariff and Non-Tariff barriers to trade; Dumping
24	Test -24	➤ GATT, WTO and Regional Trade Blocks; Trade Policy Issues ➤ IMF & World Bank
25	Test -25	➤ Unit-5, over all full test.
UNIT VI PUBLIC ECONOMICS		
26	Test -26	➤ Market Failure and Remedial Measures: Asymmetric Information, Public Goods, Externality ➤ Regulation of Market – Collusion and Consumers' Welfare
27	Test -27	➤ Public Revenue: Tax & Non-Tax Revenue, Direct & Indirect Taxes, Progressive and non- Progressive Taxation,
28	Test -28	➤ Incidence and Effects of Taxation ➤ Public expenditure ➤ Public Debt and its management
29	Test -29	➤ Public Debt and its management ➤ Public Budget and Budget Multiplier ➤ Fiscal Policy and its implications
30	Test -30	➤ Unit-6 overall full test
UNIT VII MONEY AND BANKING		
31	Test -31	➤ Components of Money Supply
32	Test -32	➤ Central Bank ➤ Commercial Banking
33	Test -33	➤ Instruments and Working of Monetary Policy
34	Test -34	➤ Non-banking Financial Institutions ➤ Capital Market and its Regulation
35	Test -35	➤ Unit-7 overall full test
UNIT VIII GROWTH AND DEVELOPMENT ECONOMICS		
36	Test -36	➤ Economic Growth and Economic Development ➤ Social Sector Development: Health, Education, Gender
37	Test -37	➤ Theories of Economic Development: Adam Smith, Ricardo, Marx, Schumpeter, Rostow, Balanced & Unbalanced growth, Big Push approach.
38	Test -38	➤ Models of Economic Growth: Harrod-Domar,

		<p>Solow, Robinson, Kaldor</p> <ul style="list-style-type: none"> ➤ Technical progress – Disembodied & embodied; endogenous growth
39	Test -39	<ul style="list-style-type: none"> ➤ Indicators of Economic Development: PQLI, HDI, SDGs ➤ Poverty and Inequalities – Concepts and Measurement
40	Test -40	<ul style="list-style-type: none"> ➤ Unit-8 Overall full test
UNIT IX ENVIRONMENTAL ECONOMICS AND DEMOGRAPHY		
41	Test -41	<ul style="list-style-type: none"> ➤ Environment as a Public Good ➤ Market Failure
42	Test -42	<ul style="list-style-type: none"> ➤ Coase Theorem ➤ Cost-Benefit Analysis and Compensation Criteria ➤
43	Test -43	<ul style="list-style-type: none"> ➤ Valuation of Environmental Goods ➤ Theories of Population ➤ Concepts and Measures: Fertility, Morbidity, Mortality
44	Test -44	<ul style="list-style-type: none"> ➤ Age Structure, Demographic Dividend ➤ Life Table ➤ Migration
45	Test -45	<ul style="list-style-type: none"> ➤ Unit- 9 Overall full Test
UNIT X Indian Economy		
46	Test -46	<ul style="list-style-type: none"> ➤ Economic Growth in India: Pattern and Structure ➤ Agriculture: Pattern & Structure of Growth, Major Challenges, Policy Responses ➤ Industry: Pattern & Structure of Growth, Major Challenges, Policy Responses ➤ Services: Pattern & Structure of Growth, Major Challenges, Policy Responses
47	Test -47	<ul style="list-style-type: none"> ➤ Rural Development – Issues, Challenges & Policy Responses ➤ Urban Development – Issues, Challenges and Policy Responses.
48	Test -48	<ul style="list-style-type: none"> ➤ Foreign Trade: Structure and Direction, BOP, Flow of Foreign Capital, Trade Policies ➤ Infrastructure Development: Physical and

		Social; Public-Private Partnerships
		➤ Reforms in Land, Labour and Capital Markets
49	Test -49	➤ Centre-State Financial Relations and Finance
		Commissions of India; FRBM
		➤ Poverty, Inequality & Unemployment
50	Test -50	➤ Unit-10 Overall Full Test

Total Test -50

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