

EC1001-I MICRO ECONOMIC ANALYSIS – I

1. Introduction

1.1 The Basic Principles of Microeconomics

2. Consumer Theory

2.1 The Market forces of Demand and Supply

2.2 The Theory of Consumer Choice: Preference Ordering, Marginal Utility Theory, Indifference Curve Approach, Income and Price Expansion Paths, Income and Substitution Effects: Slutsky and Hicksian Approach.

2.3 Theory of Revealed Preference

2.4 Concept of Total Revenue, Average Revenue and Marginal Revenue- Mathematical Applications; Concept of Elasticity: Price, Income and Cross Elasticity-Mathematical Applications

2.5 The Concept of Consumers' Surplus.

2.6 Modern Demand Theory – Introduction to Choice under Uncertainty (Von Newman-Morgenstern Expected Utility Theory); Pragmatic Approach to Demand Analysis

3. Production Theory

3.1 Production Function – One Input, Two Inputs: Isoquants.

3.2 Law of Variable Proportions, Returns to the Variable Factor, Returns to Scale, Cobb- Douglas Production Function.

3.3 Producer's Equilibrium with one and two inputs.

3.4 Cost Curves, Total, Average and Marginal Cost, Short Run and Long Run Costs, Concept of Economic Cost, Mathematical Applications

3.5 Derivation of Supply curve, Firm and Industry, Short and Long Run.

3.6 Concept of Producers' Surplus

4. Introduction to Welfare Economics

4.1 Concept of Social Welfare

4.2 Pigou's Contribution to Welfare Economics

4.3 Pareto Optimality; Product Exhaustion Theorem (Euler's Theorem)

4.4 Social Welfare Function, Compensation Criteria

4.5 Amartya Sen- Social Choice and Welfare

5. Market Structures

5.1 Perfect Competition - Short Run and Long Run Equilibrium

5.2 Equilibrium of a Firm and Industry

1. Introduction

1.1 Changing Role of Government – Fiscal Functions of Modern Governments - The Allocation Function, The Distribution Function, The Stabilization Function, (Case Study: The Great Depression- From Police to Welfare State)

1.2 Private Goods, Public Goods, Social Goods, Merit Goods, Club Goods

2. Rationale for Public Policy

2.1 Allocation of Resources- Provision of Public Goods.

2.2 Voluntary Exchange Models- Lindahl, Johansen and Samuelson

2.3 Impossibility of Decentralized Provision of Public Goods

2.4 Contributions of Paul Samuelson, Robert Musgrave, Hugh Dalton- Demand Revealing Schemes for Public goods

2.5 The Clarke Tax, The Tiebout Hypothesis

3. Taxation

3.1 Principles of Taxation- Benefit and Ability to Pay Approaches

3.2 Theory of Incidence; Alternative concepts of Incidence

3.3 Allocative and equity aspects of Individual Taxes;

3.4 Theory of Optimal Taxation; Excess Burden of Taxes;

3.5 The problem of Double Taxation.

3.6 Shifting of Tax Burden

3.7 Incidence under Market Structures

4. Public Expenditure

4.1 Wagner's Law of Increasing State Activities

4.2 Pattern of Public Expenditure- Wiseman-Peacock Hypothesis; Pure Theory of Public Expenditure- Samuelson (Collective Consumption Goods); Crowding-out Hypothesis

4.3 Structure and Growth of Public Expenditure

4.4 Criteria for Public Investment; Social Cost-Benefit Analysis, Project Evaluation, Estimation of Costs, Discount Rate,

1. Overview of Classical and Modern Trade Theories

- 1.1 The Theory of Comparative Cost- David Ricardo
- 1.2 The Heckscher-Ohlin Theorem- The Opportunity Cost Approach
- 1.3 Verification of Physical Criterion and Price Criterion,
- 1.4 Leontief Paradox – Factor Price Equalization [Edgeworth Box Diagram]
- 1.5 New Theories of Trade, Product Life Cycle and Technology Gap Models,
- 1.6 Preference Similarity and Intra-Industry Trade,
- 1.7 Economies of Scale and Monopolistic Competition
- 1.8 Krugman- Theory of Economic Geography
- 1.9 Neo-Heckscher Ohlin Theorem

2. Terms of Trade

- 2.1 Concepts of Terms of Trade, Factors affecting Terms of Trade
- 2.2 Gross & Net Barter Terms of Trade
- 2.3 Terms of Trade and Economic Development

3. Trade Policy

- 3.1 Free Trade vs. Controlled Trade,
- 3.2 Tariffs and Non-Tariff Barriers on Trade,
- 3.3 Effects of Tariffs under Partial Equilibrium. (Price Effect, Terms of Trade Effect, Competitive Effect, Income Effect, Revenue Effect)
- 3.4 Effects under General Equilibrium, Stolper-Samuelson Theorem

4. Trade Agreements and Organization

- 4.1 Introduction to International Trade Agreements- Dunkel Proposal and WTO, Important Agreements,
- 4.2 Major developments since 1995, Effects on the Indian Economy.
- 4.3 Composition of the Global Trade Growth, Developing Countries and participation in Global Trade, Growth of Trade in Services,

1. Rural Development

- 1.1 Rural Development- Need and Issues
- 1.2 Approaches to Rural Development-Gandhian & Neo-Approach (PURA)
- 1.3 Structure of Rural Economy of India
- 1.4 Rural Economy and Globalization – Impact and Challenges
- 1.5 Contract Farming, Corporate Farming, SEZs and Agriculture
- 1.6 Rural Development and Sustainable Livelihoods- Technology, Environment and Community

2. Rural Infrastructure

- 2.1 Status of Rural Infrastructure in India-
 - 2.2.1 Transport and Communication, Electricity, Irrigation,
 - 2.2.2 Housing, Education, Sanitation, Health
 - 2.2.3 HDI in Rural India
- 2.2 Agriculture and Rural Development in India- Land Use, Cropping pattern, Farm Labour
- 2.3 Farm Sector vs. Non-Farm Sector – Issues and Challenges
- 2.4 Rural Industrialization- Agri-Business, Agro-based & Cottage Industries
- 2.8 Development of Rural Entrepreneurship –Approach and Policy Direction

3. Rural Credit

- 3.1 Role and Relevance of Source of Rural Credit- Non-Institutional and Institutional Sector- (NABARD, Commercial Bank and Cooperative Banks)
- 3.2 Indebtedness in Rural Sector in India- Magnitude, Causes and Measures
- 3.3 Rural Credit and Role of Microfinance in India
- 3.4 Imperfections and Challenges of Rural Credit

4. Rural Employment

4.1 Rural Employment and Unemployment

4.2 Agriculture and Unemployment-Magnitude, Causes and Measures

4.3 Labour Market Segmentation, Gender Differences

4.4 Unemployment and Migration- Causes and Policy Intervention

4.5 Rural Poverty and Inequality- Measurements, Causes and Policy Measures

4.6 Need for Inclusive Growth in Rural Sector