

# **PUNYASHLOK AHILYADEVJI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR**



## **SYLLABUS**

**Name of the Faculty: Humanities**

**Name of the Course: Ph.D. Entrance Test (PET)**

**Subject: Economics**

**Ph.D. Entrance Test (PET) for Ph.D. in Economics**

**With effect from 2023**

**PUNYASHLOK AHILYADEVJI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR**

**SYLLABUS**

**Ph.D. Entrance Test (PET) for Ph.D. in Economics**

**(With effect from 2023)**

**Unit 1: Micro Economics**

- Theory of Consumer Behaviour.
- Theory of Production and Costs
- Market Structures, competitive and non-competitive equilibria and their efficiency properties
- Factor Pricing
- General Equilibrium Analysis
- Welfare Economics: Fundamental Theorems , Social Welfare Function

**Unit-2: Macro Economics**

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

**Unit- 3: 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
- Time Series Analysis
- Sets, functions and continuity, sequence, series
- Input-Output Model, Linear Programming

#### **Unit-4: International Economics**

- International Trade: Basic concepts and analytical tools
- Theories of International Trade
- International Trade under imperfect competition
- Exchange Rate: Concepts and Theories
- Tariff and Non-Tariff barriers to trade; Dumping
- GATT, WTO and Regional Trade Blocks; Trade Policy Issues
- IMF & World Bank

#### **Unit-5: Public Economics**

- Market Failure, Public Goods, Externality
- 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
- Fiscal Policy and its implications

#### **Unit-6: Money and Banking**

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

#### **Unit-7: 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
- Poverty and Inequalities – Concepts and Measurement

#### **Unit-8: Environmental Economics and Demography**

- Environment as a Public Good
- Market Failure
- Cost-Benefit Analysis and Compensation Criteria
- Theories of Population
- Age Structure, Demographic Dividend
- Life Table
- Migration

### **Unit-9: 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

### **Unit-10: Indian Economic Development**

- Urban Development – Issues, Challenges and Policy Responses.
- Foreign Trade: Structure and Direction, BOP, Flow of Foreign Capital, Trade Policies
- Reforms in Land, Labour and Capital Markets
- Centre-State Financial Relations and Finance Commissions of India; FRBM
- Poverty, Inequality & Unemployment

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