# ST. JOSEPH'S COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)
# CUDDALORE-1



# DEPARTMENT OF ECONOMICS

# SYLLABUS 2021-2022

## COURSE STRUCTURE UNDER CHOICE BASED CREDIT SYSTEM (UG)

| Year/ Semester | Part | Subject | Paper | Title of the Paper | Subject code | Hours | Credits |
|---|---|---|---|---|---|---|---|
| **I YEAR** **First** **Semester** | III | Allied-B.com, Commerce | 1 | Business Economics-I | 21AECM11 | 5 | 3 |
| | | B.Com, Bank Management | 1 | Business Economics | 21AEBM11 | 5 | 4 |
| | | B.A(History) | 1 | Tamil Nadu Economy | 21AEHI11 | 5 | 4 |
| | | BBA(CA) | 1 | Application Of Economics In Business | 17ABE11 | 5 | 4 |
| **I YEAR** **Second** **Semester** | III | Allied-B.Com, Commerce | 2 | Business Economics-II | 21AECM22 | 5 | 3 |
| | | B.Com, Bank Management | 2 | Monetary Economics | 19AEBM22 | 5 | 4 |
| | | B.A(History) | 2 | Indian Economic Policy | 21AEHI22 | 5 | 4 |
| **II YEAR** **Third** **Semester** | III | Allied- B.Com, Bank Management | 3 | Indian Economy | AEBM303 | 5 | 4 |
| | | B.A(History) | 3 | Indian Macro Economic Environment | 21AEHI33 | 6 | 5 |
| **II YEAR** **Fourth** **Semester** | III | B.Com, Commerce | 3 | Indian Economy | AECM403S | 5 | 4 |
| | | B.A(History) | 4 | International Economics | AEHI404 | 6 | 5 |

## COURSE STRUCTURE UNDER CHOICE BASED CREDIT SYSTEM (PG)

| Year/ Semester | Part | Subject | Paper | Title of the Paper | Subject code | Hour | Credits |
|---|---|---|---|---|---|---|---|
| **I Year** **First** **Semester** | Elective | M.Com | 1 | Managerial Economics | EPCM705S | 6 | 4 |
| | | M.Com | 1 | Mathematical Economics | EPCM 705A | 6 | 4 |

| I B.com | | | 21AECM11 |
|---|---|---|---|
| SEMESTER - I | | BUSINESS ECONOMICS - I | HRS/WK – 5 TOTAL 75 HRS |
| ALLIED-1 | | | CREDIT –3 |

**COURSE OUTCOMES:**

At the end of the Course the students will be able to exhibit

**CO1**: Understands the Meaning, Definitions of Economics, Business Economics & their relationship

**CO2**: knowledge about Demand &Elasticity of Demand

**CO3**: understands the concept Demand Forecasting & methods to Forecast

**CO4**: Knowledge about factors of production features & Laws of production

**CO5**: understands Various Cost Concepts & Revenue Concepts.

| SEMESTER-II | COURSE CODE: 21AECM11 | TITLE OF THE PAPER: BUSINESS ECONOMICS - II | | | HOURS:5 | CREDITS: 3 |
|---|---|---|---|---|---|---|
| COURSE OUTCOMES | PROGRAMME OUTCOMES(PO) | | | | MEAN SCORE OF CO'S | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | |
| CO1 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO2 | 4 | 4 | 4 | 4 | 4 | 4.5 |
| CO3 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO4 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO5 | 4 | 4 | 4 | 4 | 4 | 4 |
| Mean Overall Score | | | | | | 4.5 |

**Result:** This Course is having **VERY HIGH** association with Programme Outcome.

| Association | 1%-20% | 21%-40% | 41%-60% | 61%-80% | 81%-100% |
|---|---|---|---|---|---|
| Scale | 1 | 2 | 3 | 4 | 5 |
| Interval | 0<=rating<=1 | 1.1<=rating<=2 | 2.1<=rating<=3 | 3.1<=rating<=4 | 4.1<=rating<=5 |
| Rating | Very Poor | Poor | Moderate | High | Very High |

**Unit I: Business Economics: Introduction**                    **15 HOURS**
Business Economics-Meaning -Definition-Nature& Scope of Business Economics-Relationship of Business Economics and other disciplines-Objectives of Business Firm-Business Decision Making Process.

**Unit II: Demand Analysis& Elasticity of Demand**                **15 HOURS**
Demand –Meaning-Definition-Factors Influencing Demand –Law of Demand – Exceptions to the Law of Demand – Elasticity of Demand –Importance of Elasticity of Demand-Types of Elasticity of Demand.

**Unit III: Demand Forecasting**                                  **15 HOURS**
Demand Forecasting -Meaning-Objectives of Demand Forecasting-Types of Forecasting-Methods of Demand Forecasting-Survey method-Consumer survey Method-Expert opinion method- Statistical Methods-Trend Projection-Criteria of a good forecasting method-Forecasting Demand for New Products.

**Unit IV:  Theory of Production**                                **15 HOURS**
Introduction-Factors of Production-Production Function –Importance of Production Function –The Cobb-Douglas Production Function – The Law of Variable Proportions – The Law of Returns to Scale.

**Unit V: Cost and Revenue**                                      **15 HOURS**
Cost concepts - Short Run Cost curves- Marginal Cost, Average Cost-Total Cost- Total Fixed Cost, and Total Variable Cost –Relationship between Average cost & Marginal cost-U-Shaped Long Run Average Cost Curve-L-Shaped Long-run Average Cost Curve-Concept of Revenue-Average Revenue & Marginal Revenue.

**Text Books :**
1.  K.P.M. Sundaram, Business Economics, Sultan Chand and Sons, New Delhi.
2.  H.L.Ahuja , Business Economics, Sultan Chand and Sons, New Delhi
3.  Aryamala, Business Economics ,Vijay Nicole Imprints Private Limited, Chennai

**Reference Books:**
1. Lipsey, Richard, G.,1969, Introduction to Positive Economics, English Language Book Society and Weidenfeld and Nicolson, London.
2. K.K.Dewett, Modern Economic Theory, S.Chand & Company LTD, New Delhi
3. Samuelson, Paul Anthony and William D. Nordhaus, 1998,Economics, Ed.6,New Delhi: Tata McGraw Hill Publishing Company Ltd. New Delhi.
4. Hal R.Varian, Inter Mediate Micro Economics: A Modern Approach, W.W.Norton and Company, New York.
5. Gardner Ackley, Micro Economics, The Macmillan Co, New York.


**Journals for Reference**
1.Journal of Applied Economics.
2.International Journal of the Economics of Business.


**Websites for Reference**
http://www.yahoo.com/socialscience/economics/infoseek-economics
www.sciencedirect.com;

**Question Paper Pattern**
Time: 3 hours                                                    Marks: 75

Part - A   : (10 x 2 =20 marks)
All the questions are to be answered

Part – B:  (5 x 5 = 25 marks)
Five questions with internal choice.
(Either or pattern)

Part – C: (3 x 10 = 30 marks)
Three out of five with open choice


**Note:** Questions should be asked from all the units with equal weightage.

| I B.com | | BUSINESS ECONOMICS - II | 21AECM22 |
|---|---|---|---|
| SEMESTER - II | | | HRS/WK – 5 TOTAL 75 HRS |
| ALLIED-2 | | | CREDIT –3 |

**COURSE OUTCOMES:**

At the end of the Course the students should be able to exhibit the following
**CO1**: Understands the Market structure, Output & Price determination in Perfect Competitions & Role of Time in a Perfect market.
**CO2:** Understands different Imperfect Market competitions, Output & Price determination in Imperfect Competitions.
**CO3**: Get knowledge about Marginal productivity theory in Factor pricing.
**CO4**: Knowledge about how Interest & profit is determined.
**CO5**: Understands the importance of Capital Budgeting

| SEMESTER-II | COURSE CODE: 21AECM22 | TITLE OF THE PAPER: BUSINESS ECONOMICS - II | | HOURS:5 | CREDITS: 3 |
|---|---|---|---|---|---|
| COURSE OUTCOMES | PROGRAMME OUTCOMES(PO) | | | | MEAN SCORE OF CO'S |
| | PO1 | PO2 | PO3 | PO4 | PO5 | |
| CO1 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO2 | 4 | 4 | 4 | 4 | 4 | 4.5 |
| CO3 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO4 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO5 | 4 | 4 | 4 | 4 | 4 | 4 |
| Mean Overall Score | | | | | | 4.5 |

**Result:** This Course is having **VERY HIGH** association with Programme Outcome.

| Association | 1%-20% | 21%-40% | 41%-60% | 61%-80% | 81%-100% |
|---|---|---|---|---|---|
| Scale | 1 | 2 | 3 | 4 | 5 |
| Interval | 0<=rating<=1 | 1.1<=rating<=2 | 2.1<=rating<=3 | 3.1<=rating<=4 | 4.1<=rating<=5 |
| Rating | Very Poor | Poor | Moderate | High | Very High |

**Unit I: Market Structure: Pricing under Perfect Competition        15 HOURS**
Meaning of Market-Classification of market Structure-Perfect Competition-Features-Price determination under Perfect Competition-Short Run &Long Run Equilibrium of the Firm and Industry –Time Element in price determination.

**Unit II: Market Structure: Pricing under Imperfect Competition   15 HOURS**
Monopoly-Features-Price Discrimination-Monopolistic Competition-Features – Price & Output determination under Monopolistic Competition- Selling Cost –Wastages of Monopolistic Competition-Oligopoly – Sweezy Model – Collusion and Price Leadership-Duopoly-Cournot Model.

**Unit III: Theory of Factor Pricing-1                         15 HOURS**
Marginal Productivity Theory of Distribution- Theories of Rent-Ricardian Theory, Modern Theory and Quasi Rent -Theories Of Wages- Iron Law of Wages , Wage Fund Theory.

**Unit IV: Theory of Factor Pricing- 2                         15 HOURS**
Theories of Interest: Loanable Fund Theory, Liquidity Preference Theory-Theories of Profit: Dynamic Theory, Uncertainty Theory and Innovation Theory.

**Unit V:  Capital Budgeting                               15 HOURS**
Capital Budgeting-Meaning-Definition-Features of Capital Budgeting-Need for Capital Budgeting -Importance of Capital Budgeting –Forms of Capital Budgeting -Nature of Capital Budgeting Problem-Demand for Capital-Supply of Capital-Capital Rationing.

**Text Books:**
1.  K.P.M.Sundaram, Business Economics, Sultan Chand and Sons, New Delhi.
**2.**  H.L.Ahuja , Business Economics, Sultan Chand and Sons, New Delhi
**3.**  T.Aryamala, Business Economics ,Vijay Nicole Imprints Private Limited, Chennai

**Reference Books:**
1.  Lipsey, Richard, G.,1969, Introduction to Positive Economics, English   Language Book Society and Weidenfeld and Nicolson, London.
2.  K.K.Dewett, Modern Economic Theory, S.Chand& Company LTD, New Delhi
3.  Samuelson, Paul Anthony and William D. Nordhaus, 1998, Economics, Ed.6, New Delhi: Tata McGraw Hill Publishing Company Ltd. New Delhi.
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2. International Journal of the Economics of Business.

**Websites for Reference**
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www.sciencedirect.com;

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Time: 3 hours                                                    Marks: 75

Part - A   : (10 x 2 =20 marks)
All the questions are to be answered

Part – B:  (5 x 5 = 25 marks)
Five questions with internal choice.
(Either or pattern)

Part – C: (3 x 10 = 30 marks)
Three out of five with open choice


**Note:** Questions should be asked from all the units with equal weightage.

| I-B.com(Bank Management) | BUSINESS ECONOMICS | 21AEBM11 |
|---|---|---|
| SEMESTER - I | | HRS/WK – 5<br>TOTAL 75 HRS |
| ALLIED-1 | | CREDIT –4 |

**COURSE OUTCOMES :**
At the end of the Course the students will be able to exhibit
**CO1:** Understands the Meaning, Definitions of Economics, Business Economics & their relationship
**CO2**: knowledge about Demand &Elasticity of Demand
**CO3**: understands the concept Demand Forecasting & methods to Forecast
**CO4**:Knowledge about factors of production features & Laws of production
**CO5:** understands Various Cost Concepts & Revenue Concepts.

| SEMESTER-I | COURSE CODE: 21AEBM11 | TITLE OF THE PAPER: BUSINESS ECONOMICS | | HOURS:5 | CREDITS: 4 |
|---|---|---|---|---|---|
| COURSE OUTCOMES | PROGRAMME OUTCOMES(PO) | | | | MEAN SCORE OF CO'S |
| | PO1 | PO2 | PO3 | PO4 | PO5 | |
| CO1 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO2 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO3 | 4 | 4 | 4 | 4 | 4 | 4.5 |
| CO4 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Mean Overall Score | | | | | | 4.5 |

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|---|---|---|---|---|---|
| Scale | 1 | 2 | 3 | 4 | 5 |
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**Unit I: Business Economics: Introduction**                    **15 HOURS**
Business Economics-Meaning -Definition-Nature & Scope of Business Economics-Relationship of Business Economics and other disciplines-Objectives of Business Firm-Business Decision Making Process.

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Cost concepts - Short Run Cost curves - Marginal Cost, Average Cost-Total Cost- Total Fixed Cost, and Total Variable Cost –Relationship between Average cost & Marginal cost-U-Shaped Long Run Average Cost Curve-L-Shaped Long-run Average Cost Curve-Concept of Revenue-Average Revenue & Marginal Revenue.

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3. T. Aryamala, Business Economics ,Vijay Nicole Imprints Private Limited, Chennai

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2. K. K. Dewett, Modern Economic Theory, S.Chand & Company LTD, New Delhi
3. Samuelson, Paul Anthony and William D. Nordhaus, 1998, Economics, Ed.6, New Delhi: Tata McGraw Hill Publishing Company Ltd. New Delhi.
4. HalR.Varian,Inter Mediate Micro Economics: A Modern Approach , W.W.Norton and Company, New York.
5. Gardner Ackley , Micro Economics, The Macmillan Co, New York.

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1. Journal of Applied Economics.
2. International Journal of the Economics of Business.


**Websites for Reference**
http://www.yahoo.com/socialscience/economics/infoseek-economics
www.sciencedirect.com;

## Question Paper Pattern


Time: 3 hours                                           Marks: 75

Part - A   : (10 x 2 =20 marks)
All the questions are to be answered

Part – B:  (5 x 5 = 25 marks)
Five questions with internal choice.
(Either or pattern)

Part – C: (3 x 10 = 30 marks)
Three out of five with open choice



**Note:** Questions should be asked from all the units with equal weightage.

| I B.com(Bank Management) | MONETARY ECONOMICS | 19AEBM22 |
|---|---|---|
| SEMESTER - II | | HRS/WK – 5 TOTAL 75 HRS |
| ALLIED-2 | | CREDIT –4 |

**COURSE OUTCOMES :**

**At the end of the Course the students should be able to exhibit**

**CO1:** Understands the definitions &Functions of Money.

**CO2**: Analyzes the concept of value of money with the help of various theories

**CO3**:Understands the classical &Keynesian view of Demand & Supply money,.

**CO4**: Understands the concept of Inflation, &Measures to control inflation.

**CO5**:Understands the Monetary policy & role of Central bank.

| SEMESTER-II | COURSE CODE: 19AEBM22 | TITLE OF THE PAPER: Monetary Economics | | HOURS:5 | CREDITS: 4 |
|---|---|---|---|---|---|
| COURSE OUTCOMES | PROGRAMME OUTCOMES(PO) | | | | MEAN SCORE OF CO'S |
| | PO1 | PO2 | PO3 | PO4 | PO5 | |
| CO1 | 4 | 4 | 4 | 4 | 4 | 4.5 |
| CO2 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO3 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO4 | 4 | 4 | 4 | 4 | 4 | 4.5 |
| CO5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Mean Overall Score | | | | | | 4.9 |

**Result:** This Course is having **VERY HIGH** association with Programme Outcome

| Association | 1%-20% | 21%-40% | 41%-60% | 61%-80% | 81%-100% |
|---|---|---|---|---|---|
| Scale | 1 | 2 | 3 | 4 | 5 |
| Interval | 0<=rating<=1 | 1.1<=rating<=2 | 2.1<=rating<=3 | 3.1<=rating<=4 | 4.1<=rating<=5 |
| Rating | Very Poor | Poor | Moderate | High | Very High |

**Unit I:    Introduction                                          15 HOURS**
Barter system and its defects-Evolution of money-Definition of Money-Kinds of Money-
Functions of Money-Primary Functions of Money-Secondary Functions of Money-
Contingent Functions –Static & Dynamic Functions of Money- Defects of Money-
Significance of Money.

**Unit II: Value of Money                                          15 HOURS**
Concept of the value of Money- Quantity Theory of Money – Fisher's Transaction Approach
– Assumption of Equation of Exchange- Criticism of Quantity Theory and Fishers Equation-
Cambridge Cash Balance Approach and its criticism- Index Numbers- How to prepare an
Index Number- Uses and Limitation of Index Numbers.

**Unit III: Demand and Supply of Money                             15 HOURS**
The Demand for Money-Classical view of Demand for Money-Keynesian view of Demand
for Money -The supply of Money-Money supply & Economic activity—Creation of Money-
Bank as a Creator of Money-Central Bank as creator of Money-The Government as Creator
of Money-Neutrality of Money-Velocity of circulation of Money.

**Unit IV: Inflation                                               15 HOURS**
Meaning & Definition – Characteristics of Inflation-Types of Inflation-Causes of
Inflation-Demand Pull Inflation-Cost Push Inflation-Demand Shift Inflation-Inflationary
Gap-Effects of Inflation-Anti-inflationary Measures.

**Unit V: Monetary Policy                                          15 HOURS**
Meaning and Definition – Objectives of Monetary policy – Role of Monetary policy in Indian
Economic Development- Central bank and Instrument of monetary policy - limitation of
Monetary policy.

**Text Books :**
1. R.Cauvery, N.Kruparani, U.K.SudhaNayak, A.Manimekalai, Monetary Economics,
   Sultan Chand & Company LTD, Ram Nagar New Delhi.
2. S.Sankaran, Monetary Economics ,Margham Publication, Chennai  .

**Reference Books:**
1. K.K.Dewett, Modern Economic Theory, S.Chand & Company LTD, New Delhi.
2. M.L.Jhingan, Monetary Economics**,** Sultan Chand & Company LTD, Ram Nagar New Delhi **.**
3. T.T.Sethi, Monetary Economics, Sultan Chand & Company, New Delhi .
**4.** Suraj,B.Gupta**,** Monetary Economics**,** Sultan Chand& Company, New Delhi.

**Journals for Reference**
1.journal of monetary economics paper .
2. journal of money credit and banking

**Websites for Reference**
http://www.yahoo.com/socialscience/economics/infoseek-economics
www.sciencedirect.com;

*https://www.journals.elsevier.com/journal-of-monetary-economics*

**Question Paper Pattern**
Time: 3 hours                                                                   Marks: 75

Part - A   : (10 x 2 =20 marks)
All the questions are to be answered

Part – B:  (5 x 5 = 25 marks)
Five questions with internal choice.
(Either or pattern)

Part – C: (3 x 10 = 30 marks)
Three out of five with open choice

**Note:** Questions should be asked from all the units with equal weightage.

| II B.com(Bank Management) / II B.com | INDIAN ECONOMY | AEBM303/ AECM403S |
|---|---|---|
| SEMESTER –III /IV | | HRS/WK – 5 TOTAL 75 HRS |
| ALLIED -3 | | CREDIT –4 |

**COURSE OUTCOMES:**

**At the end of the Course the students should be able to exhibit**

**CO1:** knowledge about the developing nations and its obstacles of economic development.

**CO2:** understands national income concepts, computation of the National income& constraints faced while calculating the National Income.

**CO3:** knowledge of various problems of Indian economy and measures to solve the problems.

**CO4**: understands the role of industries in the development of the nation.

**CO5:** acquire knowledge of infrastructure development in the country.

| SEMESTER-IV/III | COURSE CODE: AECM403S/AEBM303S | TITLE OF THE PAPER: Indian Economy | HOURS:5 | CREDITS:4 |
|---|---|---|---|---|
| **COURSE OUTCOMES** | **PROGRAMME OUTCOMES(PO)** | | | | **MEAN SCORE OF CO'S** |
| | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | |

| COURSE OUTCOMES | PO1 | PO2 | PO3 | PO4 | PO5 | MEAN SCORE OF CO'S |
|---|---|---|---|---|---|---|
| CO1 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO2 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO3 | 4 | 4 | 4 | 4 | 4 | 4.5 |
| CO4 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **Mean Overall Score** | | | | | | 4.5 |

**Result:**This Course is having **VERY HIGH** association with Programme Outcome

| Association | 1%-20% | 21%-40% | 41%-60% | 61%-80% | 81%-100% |
|---|---|---|---|---|---|
| **Scale** | 1 | 2 | 3 | 4 | 5 |
| **Interval** | 0<=rating<=1 | 1.1<=rating<=2 | 2.1<=rating<=3 | 3.1<=rating<=4 | 4.1<=rating<=5 |

**Unit I: Introduction**                                               **15 HOURS**

Economic Growth and Economic Development –Concept and Difference -Features of a Developing Economy – Determinants of Development and Growth-Obstacles to Economic Development.

**Unit II: National Income**                                          **15 HOURS**

National Income- Concepts-Estimates of National Income – Methods of Calculating National Income – Difficulties in the Calculation of National Income – Causes for Slow Growth of National Income – Structural Changes in Indian Economy As Seen in the National Income Data.

**Unit III: Problems of the Indian Economy**                          **15 HOURS**

Major Problems of the Indian Economy: Poverty - Inequality –Unemployment –Present status of Indian agriculture-Food Self-sufficiency and Food Security in India - Measures to Reduce Poverty –Employment Generation Schemes.

**Unit IV: Industrial Sector**                                        **15 HOURS**

Industrialization -Role-Pattern-Effects of industrialization-Large scale industries-Iron and Steel industry-Cotton industry-Sugar industry-Cement industry-Petro chemical industry-Automobile industry-Growth of IT industry in India-Role of Small Scale industries in India-SIPCOT-TIDCO-SIDCO-TIIC-DIC.

**Unit V: Infrastructure for Economic Development**                   **15 HOURS**

Infrastructure –Concept-Recent measures to develop Infrastructure-Energy-
-Classification of Energy-Communication- Health-Education.

**Text Books :**

1. I.C. Dingra , Indian Economy, Sultan Chand and Sons, New Delhi.

2. Ruddar Dutt and K .P. M. Sundharam , Indian Economy, S. Chand and Co.Pvt. Ltd (Recent edition), New Delhi.

**Reference Books:**
1. A. N. Agarwal ,Indian Economy : Problems of Development and Planning, Wishwaprakashan, New Delhi.
2. S.K.Misra and V.K. Puri, Indian Economy: Its Development Experience, Himalaya Publishing House, Mumbai.
3. S.Sankaran, Indian Economy, Margham publication, Chennai.

## Question Paper Pattern

Time: 3 hours                                                                 Marks: 75

Part - A   : (10 x 2 =20 marks)
All the questions are to be answered

Part – B:  (5 x 5 = 25 marks)
Five questions with internal choice.
(Either or pattern)

Part – C: (3 x 10 = 30 marks)
Three out of five with open choice

**Note:** Questions should be asked from all the units with equal weightage.

| I B.A (History) | | TAMIL NADU ECONOMY | 21AEHI11 |
|---|---|---|---|
| SEMESTER - I | | | HRS/WK – 5 TOTAL 75 HRS |
| ALLIED - 1 | | | CREDIT – 4 |

**COURSE OUTCOMES:**

**At the end of the Course the students should be able to exhibit**

**CO1**: acquires knowledge about the Natural resources in Tamil Nadu.

**CO2:** Understands the Human Resources & the Human development index.

**CO3**: gains knowledge of agricultural sector in Tamil Nadu.

**CO4:** Knowledge of the industrial sector in Tamil Nadu.

**CO5:** Understands the Service sector of Tamil Nadu.

| SEMESTER-I | COURSE CODE: 21AEHI11 | TITLE OF THE PAPER: Tamil Nadu Economy | | HOURS:5 | CREDITS: 4 |
|---|---|---|---|---|---|
| COURSE OUTCOMES | PROGRAMME OUTCOMES(PO) | | | MEAN SCORE OF CO'S | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | |
| CO1 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO2 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO3 | 4 | 4 | 4 | 4 | 4 | 4.5 |
| CO4 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Mean Overall Score | | | | | 4.5 |

**Result:** This Course is having **VERY HIGH** association with Programme Outcome

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| Scale | 1 | 2 | 3 | 4 | 5 |
| Interval | 0<=rating<=1 | 1.1<=rating<=2 | 2.1<=rating<=3 | 3.1<=rating<=4 | 4.1<=rating<=5 |
| Rating | Very Poor | Poor | Moderate | High | Very High |

**Unit I: Introduction**                                              **15 HOURS**
Introduction-Meaning of a Regional Economy – Geographical Features of Tamil Nadu –
Natural Resources in Tamil Nadu; Land, Forest, Water and Minerals.

**Unit II: Human Capital**                                            **15 HOURS**
Human Capital-Meaning-Human Resources In Tamil Nadu-Size, Growth and Density of
Population in Tamil Nadu –Analysis of the 2011 Census-The Occupation Pattern in Tamil
Nadu – Human Development Index- Education, Health, and Nutrition, Water Supply,
Housing And Slum Clearance Board –Trends in SDP & Per capita SDP.

**Unit III: Agricultural Sector**                                     **15 HOURS**
Land use pattern- – Cropping Pattern – Agricultural Inputs – Irrigation, Fertilizer –
Agricultural Marketing-Regulated Markets-Uzhavar Sandhai-Agriculture Finance-Livestock.

**Unit IV: Industrial Sector**                                        **15 HOURS**
Industry: Growth of Industry – Changes in Industrial Structures – Major Industries: Cotton
Textiles, Sugar, Cement, Automobiles, Leather and Electronics – Small and Cottage
Industries – Light Engineering Industries.

**Unit V: Service Sector**                                            **15 HOURS**
Service Sectors in Tamil Nadu – Transport-Communication-Energy- Banking- Information
Technology.

**Text Books:**
1.  A G Leonard S J. 2006.  Tamil Nadu Economy, Macmillan India Limited, New Delhi.
2.  Dr.N.Raja Lakshmi. 1999. Tamil Nadu Economy, Business Publication, Mumbai.
3.  Perumalsamy, S.(1990), Economic Development of Tamil Nadu, S. Chand &Co. Ltd,
    New Delhi.

**Reference Books:**

1. Kurien, C.T and James Joseph, 1979, Economic change in Tamil Nadu; A Regionally and Functionally Disaggregated study, Allied Publishers Pvt Ltd., New Delhi.

2. Government of Tamil Nadu, Tamil Nadu, an Economic Appraisal, Evaluation and Applied Research Department, Chennai, Various Issues.

3. Madras Institute of Development studies, 1988, Tamil Nadu Economy Performance and Issues, Oxford and IBH Publishing Co., New Delhi.

4. Tamil Nadu Economic Appraisal

**Question Paper Pattern**

Time: 3 hours                                                                 Marks: 75

Part - A   : (10 x 2 =20 marks)
All the questions are to be answered

Part – B:  (5 x 5 = 25 marks)
Five questions with internal choice.
(Either or pattern)

Part – C: (3 x 10 = 30 marks)
Three out of five with open choice

**Note:** Questions should be asked from all the units with equal weightage.

| I B.A (History) | | INDIAN ECONOMIC  POLICY | 21AEHI22 |
|---|---|---|---|
| SEMESTER - II | | | HRS/WK – 5 TOTAL 75 HRS |
| ALLIED - 2 | | | CREDIT - 4 |

**COURSE OUTCOMES:**

**At the end of the Course the students should be able to exhibit**

**CO1:** acquires knowledge of th**e** Economic System of India.

**CO2**knowledge of Present situation of Indian Agriculture

**CO3:** gains knowledge of industrial sector before and after globalization.

**CO4**: gains knowledge of infrastructure in India.

**CO5**: understands the Energy classification, sources & measures to conserve Energy.

| SEMESTER-2 | COURSE CODE: 21AEHI22 | TITLE OF THE PAPER: Indian Economic Policy | | HOURS:5 | CREDITS: 4 |
|---|---|---|---|---|---|
| **COURSE OUTCOMES** | **PROGRAMME OUTCOMES(PO)** | | | | **MEAN SCORE OF CO'S** |
| | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | |
| **CO1** | 4 | 4 | 4 | 4 | 4 | 4 |
| **CO2** | 5 | 5 | 5 | 5 | 5 | 5 |
| **CO3** | 4 | 4 | 4 | 4 | 4 | 4.5 |
| **CO4** | 4 | 4 | 4 | 4 | 4 | 4 |
| **CO5** | 5 | 5 | 5 | 5 | 5 | 5 |
| **Mean Overall Score** | | | | | | **4.5** |

**Result:** This Course is having **VERY HIGH** association with Programme Outcome

| Association | 1%-20% | 21%-40% | 41%-60% | 61%-80% | 81%-100% |
|---|---|---|---|---|---|
| Scale | 1 | 2 | 3 | 4 | 5 |
| Interval | 0<=rating<=1 | 1.1<=rating<=2 | 2.1<=rating<=3 | 3.1<=rating<=4 | 4.1<=rating<=5 |
| Rating | Very Poor | Poor | Moderate | High | Very High |

**Unit I:   Economic System in India**                                      **15 HOURS**
Capitalism-Socialism-Mixed Economy-Policy of Mixed economy and its relevance to India-Emergence of capitalism-NITI Aayog

**Unit II: Agriculture**                                                     **15HOURS**
Role of Agriculture in Indian Economic Development-Second Phase of Green Revolution – Role & significance of Irrigation -  Agricultural  Subsidy -Agricultural Output and Pricing Policies in India- Food Security-Government programmes for food security

**Unit III: Industry**                                                       **15 HOURS**
Role of Industries in Indian Economic Development-Small Vs Large Scale Industries - Reasons For Industrial Sickness in India –Suggestions for Industrial Development -Industrial Policy of Government of India 1956, 1991-Globalization and Industrial Growth.

**Unit IV: Infrastructure**                                                  **15 HOURS**
Infrastructure–Meaning-Infrastructure  &  Economic  Development–Transport –Railways-Roadways-Waterways-Airways-PipeLine-Communication-Health-Education.

**Unit V: Energy**                                                           **15 HOURS**
Energy –Meaning-Classification 0f Energy-Sources of Energy-Importance of Energy-Energy crisis in India- Measures to conserve Energy.

**Text Books:**
1. Datt, Ruddar and KPM Sundharam, Indian Economy, S.Chand and Co.Pvt. Ltd , New Delhi.
2. Dhingra, I C, Indian Economy, New Delhi, Sultan (Recent edition)

## Reference Books:

1. Agarwal, A.N., Indian Economy: Problems of Development and Planning, Wishwa Prakashan, New Delhi.
2. Uma Kapila, Indian Economy since Independence, Academic Foundation 2002.
3. Sen, Raj Kumar and Chatterjee, Biswaajit, India Economy: Agenda for the 21$^{st}$ century, Deep and Deep Publications 2002
4. Bhagwati, Jagdish N. and Padma Desai, Planning for Industrialization, Oxford University Press, London (Recent edition)
5. Francis Cherunilam, Industrial Economics: Indian Perspective, Himalaya Publishing House, Mumbai (Recent edition)
6. Kuchhal, S.C., The Industrial Economy of India, Chaitanya Publishing House, Allahabad (Recent edition)

## Question Paper Pattern

Time: 3 hours                                    Marks: 75

Part - A   : (10 x 2 =20 marks)
All the questions are to be answered

Part – B:  (5 x 5 = 25 marks)
Five questions with internal choice.
(Either or pattern)

Part – C: (3 x 10 = 30 marks)
Three out of five with open choice

**Note:** Questions should be asked from all the units with equal weightage.

| II B.A (HISTORY) | INDIAN MACRO ECONOMIC ENVIRONMENT | 21AEHI33 |
|---|---|---|
| SEMESTER - III | | HRS/WK – 6 TOTAL 90 HRS |
| ALLIED-3 | | CREDIT –5 |

**COURSE OUTCOMES:**

**At the end of the Course the students should be able to exhibit**

**CO1**: Understand the concepts of Economic Growth and Development.

**CO2**: acquires awareness about the population and its effects on India.

**CO3**: understands the concept unemployment, poverty & Employment programs to remove poverty.

**CO4:** gains knowledge of Monetary Policy in India.

**CO5**: understands the Fiscal Policy of India.

| SEMESTER-3 | COURSE CODE: 21AEHI33 | TITLE OF THE PAPER: Indian Macro Economic Environment | HOURS:6 | CREDITS: 5 |
|---|---|---|---|---|
| **COURSE OUTCOMES** | **PROGRAMME OUTCOMES(PO)** | | | | **MEAN SCORE OF CO'S** |
| | PO1 | PO2 | PO3 | PO4 | PO5 | |
| CO1 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO2 | 4 | 4 | 4 | 4 | 4 | 4.5 |
| CO3 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO4 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **Mean Overall Score** | | | | | | **4.5** |

**Result:**This Course is having **VERY HIGH** association with Programme Outcome

| Association | 1%-20% | 21%-40% | 41%-60% | 61%-80% | 81%-100% |
|---|---|---|---|---|---|
| Scale | 1 | 2 | 3 | 4 | 5 |
| Interval | 0<=rating<=1 | 1.1<=rating<=2 | 2.1<=rating<=3 | 3.1<=rating<=4 | 4.1<=rating<=5 |
| Rating | Very Poor | Poor | Moderate | High | Very High |

**Unit I:  Economic Growth and Economic Development          18 HOURS**
Meaning and Measurement of Economic Growth – Growth Vs. Development –  Indicators of Growth – Determinants of Economic Development – Economic Growth in India – The Twelfth Five Year Plan.

**Unit II: Demographic profile of India                       18 HOURS**
Malthusian theory of population-The Demographic Theory of Transition – Demographic Trends in India-Causes for Growth of Population in India & its Effect on Economic Development –Demographic Profile of India 2011-National Population Policy 2000.

**Unit III:  Unemployment and Poverty                        18 HOURS**
Unemployment – Meaning& Definition- Types of Unemployment – Causes of Unemployment – Extent of unemployment in India – Poverty-Absolute poverty-Relative poverty- Causes of Poverty –Government Programmes for Poverty alleviation.

**Unit IV:  Monetary Policy                                   18 HOURS**
Monetary Policy: Meaning and Objective of Monetary Policy – Instrument of Monetary Policy – Monetary Policy in India.

**Unit V:  Fiscal Policy                                      18 HOURS**
Fiscal Policy: Meaning of Fiscal Policy – Objectives of Fiscal Policy – Tools of Fiscal Policy – Fiscal Policy in India – Public Revenue in India – Tax Revenue – Tax Structure in India – Tax Reforms in India-Non Tax Revenue.

**Text Book:**
1.  Ruddar Dutt & Sundharam P, 2000, Indian Economy, Sultan Chand & Sons, New Delhi.
2.  Diwedi DN,2002, Indian Economy, Vikas Publishing House (P) Ltd, New Delhi.

**Reference Books:**
1.  M.L. Jinghan, 2000, Development Economics, Sultan Chand and Sons, New Delhi.
2.  Francis Cherunilam, Indian Economy, Himalaya Publishing House, New Delhi.

**Question Paper Pattern**

Time: 3 hours                                          Marks: 75

Part - A   : (10 x 2 =20 marks)
All the questions are to be answered

Part – B:  (5 x 5 = 25 marks)
Five questions with internal choice.
(Either or pattern)

Part – C: (3 x 10 = 30 marks)
Three out of five with open choice


**Note:** Questions should be asked from all the units with equal weightage.

| II B.A HISTORY | INTERNATIONAL ECONOMICS | AEHI404 |
|---|---|---|
| SEMESTER - IV | | HRS/WK – 6 TOTAL 90 HRS |
| ALLIED-4 | | CREDIT –5 |

**COURSE OUTCOMES :**

**At the end of the Course the students should be able to exhibit**

**CO1**: Knowledge about International Trade.

**CO2**: Understands India's Balance of Payment &Balance of trade,

**CO3**: Knowledge about merits &demerits of Globalization.

**CO4:** Understands World Trade Organization, its origin & Structure.

**CO5**: gains Knowledge about International Financial organizations.

| SEMESTER-4 | COURSE CODE: CODE:AEHI 404 | TITLE OF THE PAPER: International Economics | HOURS:6 | CREDITS: 5 |
|---|---|---|---|---|
| COURSE OUTCOMES | PROGRAMME OUTCOMES(PO) | | | | MEAN SCORE OF CO'S |
| | PO1 | PO2 | PO3 | PO4 | PO5 | |
| CO1 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO2 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO3 | 4 | 4 | 4 | 4 | 4 | 4.5 |
| CO4 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **Mean Overall Score** | | | | | | 4.5 |

**Result:**This Course is having **VERY HIGH** association with Programme Outcome

| Association | 1%-20% | 21%-40% | 41%-60% | 61%-80% | 81%-100% |
|---|---|---|---|---|---|
| Scale | 1 | 2 | 3 | 4 | 5 |
| Interval | 0<=rating<=1 | 1.1<=rating<=2 | 2.1<=rating<=3 | 3.1<=rating<=4 | 4.1<=rating<=5 |
| Rating | Very Poor | Poor | Moderate | High | Very High |

**Unit I:   International Trade**                                        **18 HOURS**

International Trade: Meaning of Composition and direction of India's Foreign Trade – Pattern of Imports – Sources of Imports – Pattern of Exports – Direction of Exports – Terms of Trade – Causes of unfavorable terms of trade for Developing Countries.

**Unit II:   Balance of Trade and Balance of Payment**                  **18 HOURS**

Balance of Trade – Balance of Payment – Trends in Balance of Payments – Measures for Overcoming the Critical BoP Problem – Devaluation – Devaluation in India – Devaluation in 1991 – Foreign Trade Policy –  Export-Import Policy.

**Unit III:   India and the World Economy**                             **18 HOURS**

Meaning of Globalization – Merits and Demerits of Globalization –Effect of Globalization on Indian Economy.

**Unit IV:  World Trade Organization**                                  **18 HOURS**

Historical growth of WTO –Origin and Structure of WTO – Features of WTO – Functions of WTO – Major Trade Agreements – Areas of relevance in the Indian Context .

**Unit V:   International Financial Organisations**                     **18 HOURS**

International Monetary Fund: functions – Operations of the IMF – Special Drawing Rights – World Bank: Objectives – Functions – Asian Development Bank: Objectives – functions – European Union: Objectives – Institutions of the EU – Achievements of the EU – EU and India.

**Text Books:**

Dominic Salvatore,2008 Ed, International Economics, ESS PEE KAY Publishing House.

**References Books:**

1. Sundaram KPM &Sundaram EN, 2000, Business Economics, Sultan Chand and Sons, New Delhi.
2. Cherunilam, Francis, Business Environment, Himalaya Publishing House, New Delhi.

**Question Paper Pattern**

Time: 3 hours                                                                    Marks: 75

Part - A   : (10 x 2 =20 marks)
     All the questions are to be answered

     Part – B:  (5 x 5 = 25 marks)
     Five questions with internal choice.
     (Either or pattern)

     Part – C: (3 x 10 = 30 marks)
     Three out of five with open choice

**Note:** Questions should be asked from all the units with equal weightage.

| I BBA(CA) | | 17ABE11 |
|---|---|---|
| SEMESTER - I | APPLICATION OF ECONOMICS IN BUSINESS | HRS/WK – 5 TOTAL 75 HRS |
| ALLIED-1 | | CREDIT –4 |

**Course Outcomes:**

**At the end of the Course the students should be able to exhibit**

**CO1:** Understands the definitions and Scope of Economics.

**CO2**: Analyzes the concepts of Demand, Supply& Elasticity of demand.

**CO3**: Acquires knowledge about all the Cost concepts and Revenue concepts.

**CO4**: Understands the Production function & Pricing in imperfect

Competition

**CO5**: knowledge about the Business cycle and theories related to business cycle.

| SEMESTER-I | COURSE CODE: 17 ABE11 | TITLE OF THE PAPER: APPLICATION OF ECONOMICS IN BUSINESS | HOURS:5 | | CREDITS: 4 |
|---|---|---|---|---|---|
| COURSE OUTCOMES | PROGRAMME OUTCOMES(PO) | | | | MEAN SCORE OF CO'S |
| | PO1 | PO2 | PO3 | PO4 | PO5 | |
| CO1 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO2 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO3 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO4 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO5 | 4 | 4 | 4 | 4 | 4 | 4.5 |
| Mean Overall Score | | | | | | 4.5 |

**Result:** This Course is having **VERY HIGH** association with Programme Outcome

| Association | 1%-20% | 21%-40% | 41%-60% | 61%-80% | 81%-100% |
|---|---|---|---|---|---|
| Scale | 1 | 2 | 3 | 4 | 5 |
| Interval | 0<=rating<=1 | 1.1<=rating<=2 | 2.1<=rating<=3 | 3.1<=rating<=4 | 4.1<=rating<=5 |
| Rating | Very Poor | Poor | Moderate | High | Very High |

**Unit I:  Introduction to Economics                                   15 HOURS**
Definitions of Economics –Scope –Positive and Normative Economics-Economics and Business

**Unit II: Demand and Supply Analysis                            15 HOURS**
Law of Demand –Factors Influencing Demand –Law of Supply –Factors determining supply-Elasticity of Demand –Types-Price Elasticity –Income Elasticity–Cross Elasticity-Demand Forecasting-Meaning-Definition-Forecasting demand for New products.

**Unit III: Cost and Revenue Analysis                            15 HOURS**
Meaning of Cost –Cost Concepts-Short Run Cost curves- Marginal Cost, Average Cost, Total Cost, Fixed Cost, and Variable Cost –Opportunity cost-Relationship between Average cost & Marginal cost-Long Run Average Cost Curve. Concepts of Revenue-Average Revenue-Marginal Revenue

**Unit IV:  Production Analysis and Pricing policy              15 HOURS**
Production Function –Laws of Production–The Law of Returns to Scale-
Economies and Diseconomies of scale-Market Morphology-Introduction of Types of market-Pricing in imperfect competition.

**Unit V: Business cycles                                            15 HOURS**
Meaning– Definition -Characteristics-Phases of Business Cycle- Theories of Business cycle-Schumpeters Innovation theory-Sun spot theory-Control of business cycle.

**Text Books :**
1.  K.P.M.Sundaram, Business Economics, Sultan Chand and Sons, New Delhi
2.  H.L.Ahuja , Business Economics, Sultan Chand and Sons, New Delhi
3.  T. Aryamala ,Business Economics ,Vijay Nicole Imprints Private Limited, Chennai.
4.  Jothi Sivagnanam. K & Srinivasan R, Business Economics, Tata McGraw Hill Education Pvt. Ltd., Publication, New Delhi.

**Reference Books:**
1. Lipsey, Richard, G.,, Introduction to Positive Economics, English Language Book Society and Weidenfeld and Nicolson, London.
2. Mannur,H.G.,1993, International Economics : Theory and Policy Issues, Vikas Publishing House Pvt. Ltd.,New Delhi.
3. Samuelson, Paul Anthony and William D. Nordhaus, 1998, Economics, Ed.6, New Delhi: Tata McGraw Hill Publishing Company Ltd. New Delhi.
4. Gardner Ackley, Micro Economics, The Macmillan Co, New York.


**Journals for Reference**

1. Journal of Applied Economics.

2. International Journal of the Economics of Business.



**Websites for Reference**
http://www.yahoo.com/socialscience/economics/infoseek-economics
www.sciencedirect.com;

**Question Paper Pattern**

Time: 3 hours                                      Marks: 75

Part - A   : (10 x 2 =20 marks)
All the questions are to be answered

Part – B:  (5 x 5 = 25 marks)
Five questions with internal choice.
(Either or pattern)

Part – C: (3 x 10 = 30 marks)
Three out of five with open choice

**Note:** Questions should be asked from all the units with equal weightage.

| I M.Com | | EPCM705S |
| --- | --- | --- |
| SEMESTER - I | **MANAGERIAL ECONOMICS** | HRS/WK – 6 TOTAL 90 HRS |
| Elective-1 | | CREDIT –4 |

**COURSE OUTCOMES :**

At the end of the Course the students should be able to exhibit

**CO1**: Understands the Meaning, Definitions, Features, Scope of Managerial Economics, and Decision making process & understand the responsibilities of business man towards society

**CO2**: knowledge about Demand Forecasting methods, Demand Forecasting for New products criteria for good forecasting.

**CO3**: Understands the meaning of capital budgeting, nature, &methods of appraising profitability

**CO4**: Understands different pricing methods, cost functions, Revenue functions, Break even analysis & Equilibrium of the Firm.

**CO5**: Understands Linear programming meaning, definition, features, Graphical & Simplex method

| SEMESTER-I | COURSE CODE: EPCM705S | TITLE OF THE PAPER: Managerial Economics | | | HOURS:6 | CREDITS:4 |
| --- | --- | --- | --- | --- | --- | --- |
| **COURSE OUTCOMES** | **PROGRAMME OUTCOMES(PO)** | | | | **MEAN SCORE OF CO'S** | |
| | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | |
| CO1 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO2 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO3 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO4 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO5 | 4 | 4 | 4 | 4 | 4 | 5 |
| **Mean Overall Score** | | | | | | 4.5 |

**Result:**This Course is having **VERY HIGH** association with Programme Outcome

| Association | 1%-20% | 21%-40% | 41%-60% | 61%-80% | 81%-100% |
| --- | --- | --- | --- | --- | --- |
| Scale | 1 | 2 | 3 | 4 | 5 |
| Interval | 0<=rating<=1 | 1.1<=rating<=2 | 2.1<=rating<=3 | 3.1<=rating<=4 | 4.1<=rating<=5 |

**Unit I:**      **Introduction**          **18 HOURS**

Managerial Economics-Meaning-Definition-Features–Scope of Managerial Economics - Economic theory and managerial theory-Decision making process-Social Responsibility of Business.

**Unit II:**      **Demand Forecasting**          **18 HOURS**

Demand Forecasting- Meaning – Purpose – Methods of Demand Forecasting – Survey Methods –Expert opinion–Market Experiments – Econometric method-Statistical Methods-Forecasting Demand for New products-Criteria for Good Forecasting Method.

**Unit III:**      **Capital Budgeting**          **18 HOURS**

Capital Budgeting-Pre-Requisite of Capital Budgeting –Nature of Capital Budgeting-Methods Of Appraising Profitability.

**Unit IV:**      **Product Pricing**          **18 HOURS**

Pricing Methods-Cost oriented & competition oriented-Pricing a new product- Price discrimination-meaning- International price discrimination and dumping-
Cost Function – Revenue Function – Equilibrium of the Firm – Break-Even Analysis.

**Unit V:**      **Linear Programming**          18 **HOURS**

Linear Programming-Meaning-Features- Formulation of Linear Programming Problems – Graphical Solution – Simplex Method.

**Text Books:**
1. R.L.Varshney & K.L.Maheshwari, Managerial Economics, Sultan Chand and Sons, New Delhi.
2. H.L.Ahuja, Managerial Economics, S Chand and Co ltd, New Delhi.

**Reference Books:**
1. Dominick Salvatore , Managerial Economics, Schaum's outline series, McGraw-Hill Book company New Delhi.
2. T. Aryamala ,Managerial Economics, Vijay Nicole Imprints Private Limited, Chennai.

## QUESTION PAPER PATTERN

**Time: 3 Hours**                                                **Marks: 75**

1.  Part - A = 5 x 6 = 30 Marks – Five Questions with Internal Choice.

2.  Part – B = 3 x 15 = 45 Marks – Three Out of Five – Open Choice.

**Note:** Questions should be asked from all the units with equal weightage.

| M.Com | MATHEMATICAL ECONOMICS | EPCM705A |
|---|---|---|
| SEMESTER - I | | HRS/WK – 6 TOTAL 90 HRS |
| Elective-2 | | CREDIT –4 |

**Course Outcomes:**
**At the end of the Course the students should be able to exhibit**
**CO1**: Understands the variables, constants, derivatives, differentiation & product quotient rules.
**CO2**: knowledge about the slope of a curve, points of influxion & production function.
**CO3**: Understands the Integral calculus, standard form, consumer surplus & producer surplus.
**CO4**: Understands Homogenous and Linear Differential Equations, application of various cost & elasticity.
**CO5**: Understands Growth rate simple & compound depreciation, future & present value calculations.

| SEMESTER-I | COURSE CODE: EPCM705A | TITLE OF THE PAPER: Mathematical Economics | HOURS:6 | CREDITS :4 |
|---|---|---|---|---|
| **COURSE OUTCOMES** | **PROGRAMME OUTCOMES(PO)** | | | | **MEAN SCORE OF CO'S** |

| COURSE OUTCOMES | PO1 | PO2 | PO3 | PO4 | PO5 | MEAN SCORE OF CO'S |
|---|---|---|---|---|---|---|
| CO1 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO2 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO3 | 5 | 5 | 5 | 5 | 5 | 5 |
| CO4 | 4 | 4 | 4 | 4 | 4 | 4 |
| CO5 | 4 | 4 | 4 | 4 | 4 | 4.5 |
| **Mean Overall Score** | | | | | | **4.5** |

**Result:**This Course is having **VERY HIGH** association with Programme Outcome

| Association | 1%-20% | 21%-40% | 41%-60% | 61%-80% | 81%-100% |
|---|---|---|---|---|---|
| Scale | 1 | 2 | 3 | 4 | 5 |
| Interval | 0<=rating<=1 | 1.1<=rating<=2 | 2.1<=rating<=3 | 3.1<=rating<=4 | 4.1<=rating<=5 |

## Unit-I Differential Calculus                                18 HOURS

Variables – Constants – Parameters- functions- Limits – Derivatives of algebraic functions- -Exponential, Logarithmic functions- Parametric differentiation – product and quotient rules – successive differentiation of second order- partial   differentiation.

## Unit-II Maxima and Minima concepts                          18 HOURS

Slope of a curve - Maxima and Minima – Points of inflexion –Cobb Douglas production function and its properties- Eulers theorem – Lagrange's method.

## Unit-III Integral Calculus                                  18 HOURS

Integration  – Standard forms- Definite and indefinite integrals – Integration by parts- Area of a curve –Consumer's Surplus-Producer's surplus.

## Unit-IV Differential Equations                              18 HOURS

Homogenous and Linear Differential Equations- Second order derivatives and Curvature Convex, Concave, Point of Inflexion - Application in Economics: TC, AC, MC curves - Elasticity and the derivatives.

## Unit-V Financial Mathematics                                18 HOURS

Growth rate- Simple and Compound, Depreciation- Time Value of Money- Future and Present Value, Compounding and Discounting, Net Present Value and Internal Rate of Return. NB: (Mathematical proof of Theorems is not necessary.)

**Text Books**:
1. Mehta and Madnani (2004), Mathematics for Economics Sultan Chand &sons publications,  New Delhi.
2. Bradley, Teresa and Paul Patton (2008) Essential Mathematics for Economics Bersicess, Wiley India, New Delhi References.

**Reference Books:**
1. Anthony, Matrix and Norman Biggs (2009) Mathematics for Economics and Finance: methods and modeling Cambridge University, Omen, United Kingdom .
2. Rehshaw, Geoff (2009), Maths for Economics; 2nd Edition Oxford University Press, New Delhi.
3.  Vittal .P.R.(2012), Business Mathematics and Statistics, Margham Publication,  Chennai.

### QUESTION PAPER PATTERN
**Time: 3 Hours**                                        **Marks: 75**


1.  Part - A = 5 x 6 = 30 Marks – Five Questions with Internal Choice.


2.  Part – B = 3 x 15 = 45 Marks – Three Out of Five – Open Choice.


**Note:** Questions should be asked from all the units with equal weightage.