# S. P. Mandali's

# Ramnarain Ruia Autonomous College

*(Affiliated to University of Mumbai)*

**Syllabus for**

**Program: BA (Economics)- SYBA & TYBA**

**RUIA COLLEGE**
**Explore ● Experience ● Excel**

**Program Code: RUAECO**

(Credit Based Semester and Grading System

for academic year 2023-24)

# GRADUATE ATTRIBUTES

| GA | GA Description<br><br>**A student completing Bachelor's Degree in Arts program (Humanities & Social Sciences) will be able to:** |
|---|---|
| **GA 1** | Demonstrate understanding and skills of application of knowledge of historical and contemporary issues in the social and linguistic settings with a transdisciplinary perspective to make an informed judgement |
| **GA 2** | Analyse and evaluate theories of individual and social behaviour in the familiar contexts and extrapolate to unfamiliar contexts in order to resolve contemporary issues |
| **GA 3** | Effectively and ethically use concepts, vocabularies, methods and modern technologies in human sciences to make meaningful contribution in creation of information and its effective dissemination |
| **GA 4** | Explore critical issues, ideas, phenomena and debates to define problems or to formulate hypotheses; as well as analyze evidences to formulate an opinion, identify strategies, evaluate outcomes, draw conclusions and/or develop and implement solutions |
| **GA 5** | Demonstrate oral and written proficiency to analyse and synthesise information and apply a set of cognitive, affective, and behavioural skills to work individually and with diverse groups to foster personal growth and better appreciate the diverse social world in which we live |
| **GA 6** | Develop a clear understanding of social institutional structures, systems, procedures, and policies existing across cultures, and interpret, compare and contrast ideas in diverse social- cultural contexts, to engage reasonably with diverse groups |
| **GA 7** | React thoughtfully with emotional and moral competence to forms of expressive direct action and apply social strategies toward eradicating threats to a democratic society and a healthy planet |
| **GA 8** | Articulate and apply values, principles, and ideals to the current societal challenges by integrating management and leadership skills to enhance the quality of life in the civic community through actions that enrich individual lives and benefit the community |
| **GA 9** | Recognize and appreciate the diversity of human experience and thought, and apply intellect and creativity to contemporary scenario, to promote individual growth by practicing lifelong learning |

# PROGRAM OUTCOMES

| PO | PO Description |
|---|---|
| | Students graduating with a BA degree in **Economics** will be able to |
| **PO 1** | Use the knowledge of economic history and/or the history of economic ideas for a comprehensive understanding of the current economic perspective or event |
| **PO 2** | Integrate other disciplinary perspectives with economic analysis to produce a critical assessment of a social problem |
| **PO 3** | Use relevant socio-political and economic data to gain insight into an economic relationship or behaviour |
| **PO 4** | Apply the concepts in economic theory to analyse any economic scenario |
| **PO 5** | Effectively express his/her opinion on an economic event, perspective or policy |
| **PO 6** | Creatively employ the insights gained to developing and disseminating constructs of newer economic ideas and policies |
| **PO 7** | Apply various quantitative and qualitative skills to analyse and forecast the behaviour of certain economic variables |
| **PO 8** | Recognize and appreciate the role various socio- economic, political and cultural institutions in interpreting, comparing and designing the economic policies |

# PROGRAM OUTLINE (ONLY FOR 2023-24)- SY/TYBA

| YEAR | SEMESTER | COURSE CODE | COURSE TITLE | CREDITS |
|---|---|---|---|---|
| SYBA | III | RUAECO301 | Macroeconomics- I | 3 |
| SYBA | III | RUAECO302 | Indian Economy: Contemporary Concerns (Economic Survey of the Government of India 2022-23) | 3 |
| SYBA | IV | RUAECO401 | Macroeconomics- II | 3 |
| SYBA | IV | RUAECO402 | Global Economy: Contemporary Concerns (World Development Report 2022) | 3 |
| SYBA- Applied Component | III | RUAACINV301 | Investment Analysis- I | 2 |
| SYBA- Applied Component | IV | RUAACINV401 | Investment Analysis- II | 2 |
| TYBA | V | RUAECO501 | Microeconomics-III | 4 |
| TYBA | V | RUAECO502 | Growth & Development | 4 |
| TYBA | V | RUAECO503 | Economic Thought | 3.5 |
| TYBA (Two Options) | V | RUAECO504A | Mathematics for Economics- I | 4 |
| | V | RUAECO504B | Research Methodology- I | 4 |
| TYBA (Two Options) | V | RUAECO505A | Econometrics- I | 4 |
| | V | RUAECO505B | Indian Financial System | 4 |
| TYBA | V | RUAECO506 | Urban Development & Policy | 3.5 |
| TYBA | VI | RUAECO601 | Macroeconomics-III | 4 |

| TYBA | VI | RUAECO602 | International Economics: Theory & Policy | 4 |
|------|-----|-----------|------------------------------------------|-----|
| TYBA | VI | RUAECO603 | Development Experience of Countries | 3.5 |
| TYBA | VI | RUAECO604A | Mathematics for Economics- II | 4 |
| (Two | VI | RUAECO604B | Research Methodology- II | 4 |
| Options) | | | | |
| TYBA | VI | RUAECO605A | Econometrics- II | 4 |
| (Two | VI | RUAECO605B | Behavioural Economics | 4 |
| Options) | | | | |
| TYBA- | VI | RUAECO506 | Corporate Finance | 3.5 |

# Course Code: SYBA- RUAECO301
# Course Title: Macroeconomics- I
# Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION<br>After completing this course, a student will be able to |
|---|---|
| CO 1 | Understand fundamental concepts of Macroeconomics |
| CO 2 | Build on the understanding of basic macroeconomic identity |
| CO 3 | Understand how interest rate and income level are determined in an economy and how policies may affect these outcomes |
| CO 4 | Demonstrate their knowledge of macroeconomic concepts and theories by their application to the real world issues |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO301 | | **Macroeconomics- I** | **3** |
| | **Unit I** | **National Income & Employment** | **11 Lectures** |
| | | Gross Domestic Product,, Gross State Domestic Product, Gross Value Added, National Income Accounting in India, Real vs. Nominal GDP, GDP Deflator, Measurement of Cost of Living, WPI & CPI (Index Numbers & Weighted Index Numbers to be taught) | |
| | **Unit II** | **Goods & Financial Markets (The IS- LM Model)** | **12 Lectures** |
| | | Determination of Equilibrium Output- Classical & Keynesian Theory of Employment, Multiplier Derivation of IS & LM Curves, Effectiveness of Monetary & Fiscal Policy | |

| | Unit III | Money | 11 Lectures |
|---|---|---|---|
| | | Concept of Money, Money Supply, Monetary Policy & Its Limitations, Monetary Policy Regimes- The Case of India | |
| | | Demand for money- Theories, Determination of interest rates, Real & Nominal Interest Rates | |
| | Unit IV | **Financial Sector** | 11 Lectures |
| | | Banks & Financial System, Financial Markets & Institutions, Asset Pricing: Bonds/ Stocks/ Derivatives, How Financial Markets Work, The Link from Financial Markets to the Real Economy, Financial Crises | |

**References:**

1. D'souza, Errol, Macroeconomics (2008), Pearson education, New Delhi, India.
2. Blanchard, Oliver; Macroeconomics (4th edition, 9th impression), Pearson education, New Delhi, India.
3. Robert Feenstra & Alan Taylor, International Macroeconomics, Worth Publishers, 2nd ed.

# Modality of Assessment

**Theory Examination Pattern:**

**A) Internal Assessment- 40%- 40 Marks**

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

**B) External Examination- 60%- 60 Marks**

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.

2. Theory question paper pattern:

    a. There shall be **four** questions each of **15** marks. On each unit there will be one question.

    b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

**Overall Examination & Marks Distribution Pattern**

**SYBA- Semester III**

| Course | RUAECO301 | | | Grand Total |
|---|---|---|---|---|
| | Internal | External | Total | |
| **Theory** | **40** | **60** | **100** | **100** |

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# Course Code: SYBA- RUAECO401
# Course Title: Macroeconomics- II
# Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION |
|---|---|
| | After completing this course, a student will be able to |
| CO 1 | Understand fundamental concepts of Macroeconomics |
| CO 2 | Understand how the external sector of the economy functions |
| CO 3 | Connect these concepts/ theories to the real-world issues |
| CO 4 | They will be able to demonstrate their knowledge of macroeconomic concepts and theories |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO401 | | Macroeconomics- II | 3 |
| | Unit I | Economic Growth | 11 Lectures |
| | | Micro foundations and Macro Theory, Solow on Growth Economic Growth around the world, Productivity- determinants, Savings & Investment- Trends in India, Inflation- Types, causes, measures, Inflation Targeting | |
| | Unit II | Government | 11 Lectures |
| | | The Role of Government, The Government Accounts (IMF Statistics Manual), Types of Deficit, Deficit Financing, Public Debt Sustainability- Public debt and Fiscal management in India | |

| | Unit III | **The External Sector – Part 1** | 11 Lectures |
|---|---|---|---|
| | | External Sector Data Sources and Measurement<br><br>Trade- Absolute Cost & Comparative Cost Theories; Heckscher-Ohlin Theory; Leontief's Paradox<br><br>Terms of Trade: Gross, Net and Income- Law of Reciprocal Demand and Offer Curves- Equilibrium Price in International Trade<br><br>Balance of Payments: Components, Disequilibrium and Adjustments, National Income Accounting and Balance of Payments | |
| | Unit IV | **The External Sector – Part 2** | 12 Lectures |
| | | Determination of Exchange Rates- BOP theory & PPP theory of Exchange rate, Types of Exchange Rates<br><br>Exchange Rates as Asset Prices: Uncovered and Covered Interest Parity, Exchange rate risk- Management<br><br>IS- LM in an open economy (Mundell- Fleming model)- Choice of Exchange Rate Regime<br><br>Exchange Rate Crises | |

**References:**

1. Blanchard, Oliver; Macroeconomics (4th edition, 9th impression), Pearson education, New Delhi, India.
2. Robert Feenstra & Alan Taylor, International Macroeconomics, Worth Publishers, 2nd ed.

# Modality of Assessment

**Theory Examination Pattern:**

**A) Internal Assessment- 40%- 40 Marks**

| Sr. No. | **Evaluation type** | **Marks** |
|---|---|---|
| | | |

| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
|---|---|---|
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
|   | **TOTAL** | **40** |

## B) External Examination- 60%- 60 Marks

### Semester End Theory Examination:

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
|   | **TOTAL** | **60** |   |

### Overall Examination & Marks Distribution Pattern
### SYBA- Semester IV

| Course | RUAECO401 | | | Grand Total |
|---|---|---|---|---|
|   | **Internal** | **External** | **Total** |   |
| **Theory** | **40** | **60** | **100** | **100** |

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# Course Code: SYBA- RUAECO302
# Course Title: Indian Economy: Contemporary Concerns
# (Economic Survey of the Government of India)
# Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION |
|---|---|
| | After completing this course, a student will be able to |
| CO 1 | Demonstrate understanding of the functioning of and contemporary issues in Indian Economy |
| CO 2 | Evaluate different policies related to the Indian Economy |
| CO 3 | Enquire and engage into the future trends in Indian economy |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO302 | | **Indian Economy: Contemporary Concerns (Economic Survey of 2022-23, Government of India)** | **3** |
| | Unit I | **Overview of Indian economy (1947-1991)** | **12 Lectures** |
| | | Colonial Legacy-Mixed Economy-Five Year Plans-Inward looking Policy -Industrial Policy-Green Revolution-Oil Shocks | |
| | Unit II | **Economic Survey 2022-23- Chapter 1 & 2** | **11 Lectures** |
| | | **Chapter 1: State of the Economy 2022-23: Recovery Complet**e **Chapter 2: India's Medium-term Growth Outlook: With Optimism and Hope** | |
| | Unit III | **Economic Survey 2022-23- Chapter 6** | **11 Lectures** |

| | | | |
|---|---|---|---|
| | | **Chapter 6: Social Infrastructure and Employment: Big Tent** | |
| | Unit IV | **Economic Survey 2022-23- Chapter 7 & 8** | **11 Lectures** |
| | | **Chapter 7: Climate Change and Environment: Preparing to Face the Future** **Chapter 8: Agriculture & Food Management: From Food Security to Nutritional Security** | |

**References:**

1. Economic Survey 2022-23, Government of India
2. Tirthankar Roy, The Economic History of India 1857-1947 (3rd edition, 2011), Oxford University Press
3. Uma Kapila Indian Economy (20th edition,2019-20)

# Modality of Assessment

**Theory Examination Pattern:**

### A) Internal Assessment- 40%- 40 Marks

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

### B) External Examination- 60%- 60 Marks

### Semester End Theory Examination:

1. Duration - These examinations shall be of **2 hours** duration.

2. Theory question paper pattern:

    a. There shall be **four** questions each of **15** marks. On each unit there will be one question.

    b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|----------|---------|-------|--------------------|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
|  | **TOTAL** | **60** |  |

**Overall Examination & Marks Distribution Pattern**

**Semester III**

| Course | RUAECO302 | | | Grand Total |
|--------|-----------|-----------|-------|-------------|
|  | **Internal** | **External** | **Total** |  |
| **Theory** | **40** | **60** | **100** | **100** |

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# Course Code: SYBA- RUAECO402
# Course Title: Global Economy: Contemporary Concerns
# (World Development Report 2023)
# Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION |
|---|---|
| | After completing this course, a student will be able to |
| CO 1 | Demonstrate an understanding of functioning of and contemporary issues in the Global Economy |
| CO 2 | Evaluate different policies practiced in Global Economy |
| CO 3 | Extrapolate India's position in the Global context |
| CO 4 | Estimate basic future trends in the Global Economy |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO402 | | **Global Economy: Contemporary Concerns (World Development Report 2023)** | 3 |
| | Unit I | **Meaning of Development** | 12 Lectures |
| | | Development and related concepts: economic growth, economic development, human development, sustainable development, Sen's views on development, Measurement: Income indicators and their limitations, Human Development Index, Gender-related Development Index. Concept of Inclusive growth | |
| | Unit II | **India as an Emerging Economy** | 11 Lectures |
| | | New Economic Policy of 1991- Rapid Economic Growth- Role of Tertiary Sector-Regional Diversity- | |

| | | strengths and challenges at present, The Case of India | |
|---|---|---|---|
| | Unit III | WDR- I- Overview & Chapter 1 | **11 Lectures** |
| | | **Overview**<br>**Chapter 1: The Match and Motive Matrix** | |
| | Unit IV | WDR- II- Ch. 2, 3 & 9 | **11 Lectures** |
| | | **Chapter 2: The numbers: Understanding who moves, where to, and why**<br>**Chapter 3: The outlook: Changing patterns, needs, and risks**<br>**Chapter 9: Making migration work better** | |

**References:**

1. World Development Report, June 2023, World Bank
2. Todaro, Michael P. and Stephen C. Smith. Economic Development, 8e. Delhi: Pearson Education, 2003.
3. Uma Kapila Indian Economy (20th edition,2019-20)

# Modality of Assessment

**Theory Examination Pattern:**

## A) Internal Assessment- 40%- 40 Marks

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

## B) External Examination- 60%- 60 Marks

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.

2. Theory question paper pattern:

    b. There shall be **four** questions each of **15** marks. On each unit there will be one question.

    c. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
|  | **TOTAL** | **60** |  |

**Overall Examination & Marks Distribution Pattern**

**Semester IV**

| Course | RUAECO402 | | | Grand Total |
|---|---|---|---|---|
|  | **Internal** | **External** | **Total** |  |
| **Theory** | **40** | **60** | **100** | **100** |

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## Course Code: TYBA- RUAECO501
## Course Title: Microeconomics- III
## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION<br>After completing this course, a student will be able to |
|---|---|
| CO 1 | Understand the working of asset market |
| CO 2 | Define an externality and a public good and explain the presence of externalities and public goods make markets inefficient |
| CO 3 | Identify how individual economic agents make rational choices and know how to optimize the use of resources at hand |
| CO 4 | Build a strong understanding into welfare outcomes of consumers and producers |
| CO 5 | Think intuitively about economic problems and economic solutions at an intermediary level |
| CO 6 | Analyze various government policies aimed at solving these inefficiencies. |
| CO 7 | Apply the formal microeconomic principles they learned to real world issues |
| CO 8 | Emphasize use of information in decision making |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO501 | | **Microeconomics- III** | **4** |
| | Unit I | **General Equilibrium & Welfare Economics** | **1** |
| | | Partial vs. General Equilibrium analysis, General equilibrium of exchange & production, Marginal Conditions for Economic Efficiency & Pareto Optimality, Perfect Competition, Economic Efficiency & Equity | **15 Lectures** |

| | | | |
|---|---|---|---|
| | | Welfare Economics, Utility Possibilities Frontiers, Changes in Social Welfare, Arrow's Impossibility Theorem, | |
| | Unit II | **Externalities, Public Goods & Public Choice** | 1 |
| | | Externalities & Market Failure, Externalities & Property Rights, Free Riding, Voting, Tragedy of Commons<br>Public & Merit goods, Nature & Provision of public goods, Meaning & importance of Public Choice theory, Public Choice process, Policy implications of Public Choice theory | **15 Lectures** |
| | Unit III | **Choice under Uncertainty & Strategic Interaction** | 1 |
| | | Risk & Uncertainty in demand choices, Contingent Consumption, Utility Functions, Risk Aversion, Risk Spreading, Role of Stock Market, Measuring Risk, Equilibrium in a Market for Risky Assets<br>Game Theory: A Payoff matrix, Nash Equilibrium, Mixed strategies, Prisoner's Dilemma, Repeated Games, Enforcing a Cartel, Games of Coordination, Competition, Commitment and Coexistence, Bargaining | **15 Lectures** |
| | Unit IV | **Economics of Information** | 1 |
| | | The Economics of Search: Search Costs, Searching for the Lowest Price, The Asymmetric Information: The Asymmetric Information, Adverse Selection and the Market for Lemons, Market Signaling, The Problem of Moral Hazard, The Principal Agent problem, The Efficiency Wage Theory | **15 Lectures** |

**References:**

1. Varian, Hal (2010) Intermediate Microeconomics: A Modern Approach, W. W. Norton & Company, New York, Eighth Edition

2. Mankiw, Gregory N (2015) Principles of Economics, Cengage Learning, Seventh Edition

3. Salvatore, Dominick (2006) Microeconomics: Theory and Applications, Oxford University Press, Fourth Edition

# Modality of Assessment

**Theory Examination Pattern:**

### A) Internal Assessment- 40%- 40 Marks

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

### B) External Examination- 60%- 60 Marks

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

**Overall Examination & Marks Distribution Pattern**

**Semester V**

| Course | RUAECO501 | | | Grand Total |
|--------|-----------|------------|-------|-------------|
| | Internal | External | Total | |
| Theory | 40 | 60 | 100 | 100 |

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# Course Code: TYBA- RUAECO502
# Course Title: Growth & Development
## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION<br>After completing this course, a student will be able to |
|---|---|
| CO 1 | Explain and appreciate the concepts related to economic growth and development |
| CO 2 | Give multidimensional perspective on the process of economic development |
| CO 3 | Develop an insight into the process of economic development |
| CO 4 | Apply the formal growth principles they learned to real world issues |
| CO 5 | Think intuitively about development issues of different regions |
| CO 6 | Analyse major national and international issues and debates on development |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO502 | | **Growth & Development** | **4** |
| | **Unit I** | **Economic Growth** | **1** |
| | | Angus Maddison Historical Data Project & Its Limitations<br>Modern Theories of Economic Growth (Harrod-Domar, Lucas, Romer, Jeffry Sachs)<br>The Washington Consensus & Its Critics, Other Perspectives | **15 Lectures** |
| | **Unit II** | **Poverty, Inequality & Development** | **1** |
| | | Demographic Transition, Microeconomic Household Theory of Fertility, Approaches to Population Policy<br>Measurement of Poverty, Head-Count Index and Poverty Gap Indices, Policy Options for Alleviation of Poverty | **15 Lectures** |

| | | | |
|---|---|---|---|
| | | Measurement of Income Inequality, Kuznets Inverted U Hypothesis, Impact of Inequality on Development Human Capital and its Role in Development, Health and Education, Structural Transformation, W A Lewis Model | |
| | Unit III | **Governance & Development** | **1** |
| | | Principal Agent Problem to governance Market failure- role of governance Coase Theorem (Transaction cost approach), Williamson, North, Dixit-Olson Moral Hazard to institutions Geography vs. Trade vs. Institutions Regulation in India- IRDA, SEBI, RBI, Election Commission, Parliament | **15 Lectures** |
| | Unit IV | **International Dimensions of Growth & Development** | **1** |
| | | Geopolitics and changing global economic order, Terrorism- Internal/ External and its Economic Implications, Migration, Protectionism vs. Globalization, Political Economy of oil & energy and water, Climate change | **15 Lectures** |

**References:**

1. Todaro, Michael P. and Stephen C. Smith. Economic Development, 8e. Delhi: Pearson Education, 2003.

2. Ray Debraj (2009), Development Economics, Oxford University Press

3. Blanchard, Oliver; Macroeconomics (4th edition, 9th impression), Pearson education, New Delhi, India.

4. Robert Feenstra & Alan Taylor, *International Macroeconomics*, 2nd ed.

# Modality of Assessment

**Theory Examination Pattern:**

**A) Internal Assessment- 40%- 40 Marks**

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

**B) External Examination- 60%- 60 Marks**

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

**Overall Examination & Marks Distribution Pattern**

**Semester V**

| Course | RUAECO502 | | | Grand Total |
|---|---|---|---|---|
| | Internal | External | Total | |
| **Theory** | 40 | 60 | 100 | 100 |

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## Course Code: TYBA- RUAECO503
## Course Title: Economic Thought
## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION<br>After completing this course, a student will be able to |
|---|---|
| CO 1 | Demonstrate comprehensive knowledge and understanding of economic thought |
| CO 2 | Appreciate influence of economic thought on economic policies |
| CO 3 | Compare and evaluate different schools of economic thought |
| CO 4 | Formulate coherent arguments and draw valid conclusions about economic concepts based on the understanding of evolution of economic ideas |
| CO 5 | Highlight contemporary relevance of economic thought |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO503 | | **Economic Thought** | 3.5 |
| | Unit I | **Smith, Ricardo & Marx** | 13 Lectures |
| | | **Smith:** Division of labour, Trade and economic growth<br>**Ricardo:** Theory of distribution, comparative advantage<br>**Marx**: Fundamental contradictions in the capitalist system and periodic crisis- Neo capitalism.<br>**Socialism**: different versions | |
| | Unit II | **Neoclassical Economists & Keynesian Economics** | 13 Lectures |

| | | | |
|---|---|---|---|
| | | **A. Neoclassical Economists**: Marshall and his methods, Pareto: welfare economics, Walras contribution to quantitative techniques<br>**B. Keynesian Economics**: Overview of Keynesian Economics -Theoretical Outline of the General Theory – Resurgence in Keynesian thought after 2008 financial crisis | |
| | Unit III | **Austrian Economics** | **13 Lectures** |
| | | **Austrian Economics**<br>Böhm- Bawerk on capital and Interest- Hayek and the Theory of Business Cycles - Joseph Schumpeter on Competition, Dynamics, and Growth | |
| | Unit IV | **Public Choice & Some prominent economic thinkers of the recent times** | **13 Lectures** |
| | | **Public Choice**: The New Political Economy: Public Choice and Regulation<br>**Some prominent economic thinkers of recent times (Introduction only):** J. Stiglitz, Paul Krugman, Thomas Piketty, Daniel Kahneman. Amartya Sen, Jagadish Bhagwati (Indicative list) | |

**References:**

1. Ekelund Robert B. and Herbert Robert F. (2013) A History of Economic Theory and Method, Waveland Press, Long Grove

2. Galbraith J K (1991), History of Economics, Penguin Books, London

3. Heilbroner, Robert (1999), The Worldly Philosophers, Simon& Schuster, New York

4. Hunt E.K. & M. Lautzenheiser (2011) History of Economic Thought, Routledge, New York

5. Schumpeter J.A. (1952) Ten Great Economists, Georgeallen & Unwin Ltd., London

6. Schumpeter J.A. (1954) History of Economic Analysis, Oxford University Press, New York

7. Yueh Linda (2018) The Great Economists, Viking, UK

# Modality of Assessment

**Theory Examination Pattern:**

   A) **Internal Assessment- 40%- 40 Marks**

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

## B) External Examination- 60%- 60 Marks

### Semester End Theory Examination:

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

**Overall Examination & Marks Distribution Pattern**

**Semester V**

| Course | RUAECO503 | | | Grand Total |
|---|---|---|---|---|
| | Internal | External | Total | |
| **Theory** | **40** | **60** | **100** | **100** |

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## Course Code: TYBA- RUAECO504A
## Course Title: Mathematics for Economics- I
## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION<br>After completing this course, a student will be able to |
|---|---|
| CO 1 | Understand different types of mathematical techniques that can be used for analysing economic variables |
| CO 2 | Interpret economic theory on the basis of these mathematical tools |
| CO 3 | Extensively apply calculus to Demand- Supply and Pricing |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO504A | | **Mathematics for Economics- I** | 4 |
| | Unit I | **Graphs, Equations, Limits and Continuity, Derivatives** | 1 |
| | | **Microeconomic applications of equations and graphs**<br>Linear and non-linear relationships in economic analysis, Market demand and supply models, taxes, elasticity, The slope of a Curvilinear Function, Functions, Limits, Continuity, Derivatives, Rules of Differentiation, Increasing and decreasing function, Necessary and sufficient conditions for maxima and minima | 15 Lectures |
| | Unit II | **Derivatives and their Applications in various areas of Economic Analysis** | 1 |
| | | Higher order Derivatives, Optimization of economic function. Marginal Concept, | 15 Lectures |

| | | Relationship among Total Marginal and Average concept | |
|---|---|---|---|
| | Unit III | **Techniques and Application of Partial Derivatives** | **1** |
| | | Functions of several variables and partial derivatives, Rules of Partial Differentiation, Second Order Partial Derivatives, Optimization of Multivariate Functions, Constraint optimization with Lagrange Multiplier, Significance of Lagrange Multiplier, Total and Partial Differentials, Total Derivatives, Implicit and Inverse function rules, Marginal Productivity, income and price elasticities of Demand<br>Homogeneous Production Function and Returns to scale, Cobb Douglas Production Function | **15 Lectures** |
| | Unit IV | **Calculus of Multivariable Functions in Economics** | **1** |
| | | Marginal productivity, Income Determination, Multipliers and Comparative Statics, Income and Cross Price Elasticities of Demand, Differentials and Incremental Changes, Constrained Optimization of Multivariable functions in Economics, Homogeneous Production Function, Returns to Scale, Optimization of Cobb Douglas Production Function | **15 Lectures** |

**References:**

1. Dowling Edward T: Introduction to Mathematical Economics, Schaum Outline Series in Economics, Tata McGraw -Hill, New Delhi,2004

2. Lerner Joel J and P. Zima: Theory and Problems of Business Mathematics, McGraw Hill, New York, 1986.

3. Dowling Edward T: Theory and Problems of Mathematical Methods for Business and Economics, McGraw –Hill,1993

## Modality of Assessment

**Theory Examination Pattern:**

### A) Internal Assessment- 40%- 40 Marks

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

### B) External Examination- 60%- 60 Marks

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

### Overall Examination & Marks Distribution Pattern

### Semester V

| Course | RUAECO504A | | | Grand Total |
|---|---|---|---|---|
| | **Internal** | **External** | **Total** | |

| Theory | 40 | 60 | 100 | 100 |
|--------|----|----|-----|-----|

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## Course Code: TYBA- RUAECO504B
## Course Title: Research Methodology- I
## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION<br>After completing this course, a student will be able to |
|---|---|
| CO 1 | Understand the importance of Research |
| CO 2 | Understand various steps involved in research |
| CO 3 | Demonstrate ability to use different research tools |
| CO 4 | Formulate research questions and research proposals |
| CO 5 | Highlight issues involved in the economic research |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO504B | | **Research Methodology- I** | **4** |
| | Unit I | **Introduction to Concept of Research** | **1** |
| | | Nature, Scope & Purpose of social research, Basic assumptions of research, Significance of social sciences research, Objectivity in social sciences research<br>Types of research: pure & applied research; formulative or exploratory research; descriptive research, historical research, experimental research, survey research<br>Ethical issues relating to research<br>Major Difficulties in the Area of economic research | **15 Lectures** |
| | Unit II | **Elements of Research Methodology** | **1** |
| | | <u>Steps in Research process</u>: Identification, selection and formulation of research problem – | **15 Lectures** |

| | | sources of research problem – criteria of a good research problem | |
|---|---|---|---|
| | | Review of literature | |
| | | Formulation of hypothesis | |
| | | Preparing Research Design: Definition, Concepts, and types– exploratory, descriptive and diagnostic, experimental and Analytical research designs | |
| | | Collecting and analysing the data | |
| | | Interpretation and report writing | |
| | | <u>Use of web search in research process</u>- Introduction to Internet and WWW, Using search engine like Google, Yahoo etc- Use of advanced search techniques | |
| | **Unit III** | **Sources of Data for Research** | 1 |
| | | <u>Types of data sources:</u> Primary and Secondary, choice between primary and secondary data Primary data-Meaning and Collection methods- Observational method, Interview technique, Design of Schedule and Questionnaire, Survey method and Field Visits, Case Study as a method, Major Sources of Secondary data: Meaning, advantages, Relevance, limitations and cautions of secondary data. <u>Sampling Technique:</u> Census and sample survey- Essentials of a good Sampling - Advantages and limitations of sampling Methods of sampling: <u>random sampling</u>: simple or unrestricted random sampling- mixed or stratified random sampling, systematic or quasi random sampling – multistage or cluster random sampling- sequential random sampling <u>non random sampling</u> :  judgement or purposive sampling–convenience sampling- accidental sampling – quota sampling. Sampling and Non- | **15 Lectures** |

| | Unit IV | **Processing and Analysis of Data** | 1 |
|---|---|---|---|
| | | Classification, Tabulation and Graphical presentation of socio-economic data | 15 **Lectures** |
| | | An introduction to Statistical Analytical Tools – Measures of Central Tendency - Measures of Variation: absolute and relative measures – Quartile deviation, standard deviation, coefficient of variation- Skewness: meaning and Measurement (Karl Pearson's and Bowley's methods) | |
| | | Preliminaries of Computer Applications in Data organization & Data Processing | |
| | | Introduction to spreadsheet application, features and functions, Using formulas and functions, Data storing, Features for Statistical data analysis, Graphical representation of data, Generating charts/ graph and other features | |

**References:**

1. Gopal, M.H (1970) An Introduction to Research Procedures in Social Sciences, Asia Publishing House, Mumbai
2. Kothari, C.R (2004) Research Methodology: An Introduction, Delhi, New Age
3. Krishnaswami, O.R & M. Ranganatham (2011) Methodology of Research in Social Sciences, Himalaya Publishing House, Mumbai.
4. Gupta S P (2017) Statistical Methods, Sultan Chand and Sons, New Delhi.
5. Gupta S.C, Fundamentals of Statistics, Himalaya Publication House, Bombay

## Modality of Assessment

**Theory Examination Pattern:**

**A) Internal Assessment- 40%- 40 Marks**

| Sr. No. | Evaluation type | Marks |
|---|---|---|

| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
|---|---|---|
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

**B) External Examination- 60%- 60 Marks**

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

**Overall Examination & Marks Distribution Pattern**

**Semester V**

| Course | RUAECO504B | | | Grand Total |
|---|---|---|---|---|
| | Internal | External | Total | |
| **Theory** | 40 | 60 | 100 | 100 |

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# Course Code: TYBA- RUAECO505A

# Course Title: Econometrics- I

## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION |
|---|---|
| | After completing this course, a student will be able to |
| CO 1 | Understand the elementary concepts in econometrics |
| CO 2 | Gain an understanding of basic econometric tools |
| CO 3 | Understand how econometric techniques can be used for analyzing different economic variables, their interrelationships and models |
| CO 4 | Apply these tools for empirical estimation of various economic theories |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO505A | | Econometrics- I | 4 |
| | Unit I | Idea of a random variable | 1 |
| | | ● Concept of a random variable: Discrete and continuous <br><br> ● Expected values of a random variable <br><br> ● Variance of a random variable <br><br> ● Discrete random variables: Bernoulli, Binomial, Poisson <br><br> ● Continuous random variables: The normal distribution | 15 Lectures |
| | Unit II | Simple Linear Regression Analysis | 1 |
| | | • Two variable regression model and calculating the OLS estimates <br> • Classical assumptions of regression <br> • Formal derivation of the OLS estimators, its expected values and variance | 15 Lectures |

| | | | |
|---|---|---|---|
| | | • Properties of OLS estimators under classical assumptions, Gauss-Markov Theorem (without proof)<br>• Performing a Simple Linear Regression in R and interpreting the results | |
| | Unit III | **Hypothesis Testing** | 1 |
| | | • Point and interval estimation<br>• The Z distribution<br>• The Null and Alternate hypotheses and significance testing for mean using Z distribution when population variance is known<br>• The chi-square distribution and testing for sample variance with known population variance<br>• The F distribution and comparing sample variances<br>• The t distribution and hypothesis tests when population variance in unknown | **15 Lectures** |
| | Unit IV | **Multiple Linear Regression Model** | 1 |
| | | ● Modelling for a Multiple Linear Regression, obtaining the OLS estimates and Interpreting the results of the OLS estimates<br><br>● Violations in the assumptions in the Linear Regression model: Heteroscedasticity, Autocorrelation and Multicollinearity<br><br>● Understanding the idea of Goodness of Fit (R square and Adjusted R square)<br><br>● Performing Multiple Linear Regression in R and interpretation of the results – Understanding the idea of Fitted values and Residual values | **15 Lectures** |

**References:**

1. Gujarati D and Sangeeta, Basic Econometrics

2. Cameron Colin A. and Trivedi P K, Micro econometric Methods and Applications

3. Wooldridge J M Introductory Econometrics, A Modern Approach

# Modality of Assessment

**Theory Examination Pattern:**

### A) Internal Assessment- 40%- 40 Marks

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

### B) External Examination- 60%- 60 Marks

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

**Overall Examination & Marks Distribution Pattern**

**Semester V**

| Course | RUAECO505A | | | Grand Total |
|--------|------------|------------|-------|-------------|
| | **Internal** | **External** | **Total** | |
| **Theory** | **40** | **60** | **100** | **100** |

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## Course Code: TYBA- RUAECO505B
## Course Title: Indian Financial System
## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION<br>After completing this course, a student will be able to |
|---|---|
| CO 1 | Understand the nature and components of Indian financial system |
| CO 2 | Understand the functioning of the financial institutions and markets |
| CO 3 | Appreciate the latest reforms introduced in Indian financial system |
| CO 4 | Understand the instruments to control credit in the economy |
| CO 5 | Identify the existence and development of Non-banking Financial Companies |
| CO 6 | Trace the role and progress of the Mutual funds industry and Financial Derivatives market in India |
| CO7 | Analyse the conditions of financial markets and its impact on the economy |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO505B | | **Indian Financial System** | **4** |
| | **Unit I** | **Banking in India since 1990s** | **1** |
| | | Developments in Commercial banking sector since 1990s – Management of Non-Performing Assets (NPAs); Capital Adequacy Norms - Basel Accord III.- Monetary policy of the RBI –Changes in RBI monetary policy since 1990s - Transmission Channels of Monetary policy. | **15 Lectures** |
| | **Unit II** | **Money and Capital Markets in India** | **1** |
| | | Money Market: Components of organized money market– Reforms in the money market - Features of Indian Money Market. | **15** |

| | | | |
|---|---|---|---|
| | | Capital Market: Structure of the Indian Capital Market– Recent Developments in the Capital Market– Role of SEBI- Interlink between Money Market and Capital Market- Overview of Debt Market in India. | |
| | Unit III | **Non- Banking sector of the Financial System** | 1 |
| | | Non-Bank Finance Companies (NBFCs) in India and their progress- Developments in India's Insurance sector & product types– Progress of Mutual Funds industry in India- Credit Rating Agencies in India. | 15 |
| | Unit IV | **Derivatives Market in India** | 1 |
| | | Meaning of derivatives – Participants in the Derivative Markets– Hedgers, Arbitragers and Speculators– Significance of Derivative Markets– types of financial derivatives: Forwards, Futures, Options and Swaps- pricing of derivatives: Pricing of Futures and Pricing of Options- Derivatives trading in India | 15 Lectures |

**References:**

1. Bhole L M   Financial Institutions AND Markets, McGraw Hill
2. Deodhar S B Abhyankar A Indian Financial System, Himalaya Publishers, ed VI
3. Pathak Bharati, Indian Financial System

# Modality of Assessment

**Theory Examination Pattern:**

**A) Internal Assessment- 40%- 40 Marks**

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |

| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
|---|---|---|
| | **TOTAL** | **40** |

## B) External Examination- 60%- 60 Marks

### Semester End Theory Examination:

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

### Overall Examination & Marks Distribution Pattern

### Semester V

| Course | RUAECO505B | | | Grand Total |
|---|---|---|---|---|
| | **Internal** | **External** | **Total** | |
| **Theory** | **40** | **60** | **100** | **100** |

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## Course Code: TYBA- RUAECO506
## Course Title: Urban Development & Policy
## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION<br>After completing this course, a student will be able to |
|---|---|
| CO 1 | Demonstrate an understanding into the underlying theories, propositions and issues that usually arise in studying an urban situation. |
| CO 2 | Analyze and appreciate the policy concerns dealing with specific issues of urban areas |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO506 | | **Urban Development & Policy** | 3 |
| | Unit I | **Urbanisation- Origin and Growth of Cities** | 13 Lectures |
| | | Market Forces in the Development of Cities, Comparative Advantage, Agglomerative Economics in Production & other extensions, and Spatial Orientation, Economies of localization, Scale Economies and Zipf's Law, Location of Economic Activities, Location of firms, Households, Land use patterns and control, Classical models and modern reality, regulation land ceiling and rent control. Labour Markets– nature, informalisation. Migration, Urban poverty, Environment | |
| | Unit II | **Urban Infrastructure & Development** | 13 Lectures |
| | | Economics of Urban Infrastructure, Local Public Goods and Infrastructure:  Nature of Local Public | |

| | | Goods and Utility Pricing – water/sanitation, health and education. Power, Housing and Transportation infrastructure. Slums and rehabilitation – Urban infrastructure needs and finance | |
| --- | --- | --- | --- |
| | Unit III | **Urban Governance** | **13 Lectures** |
| | | Municipal governments – sources of revenues (local taxes) and expenditure. Functions and budgets in a decentralized set up. Governance Issues – capacity building and the role of civil society | |
| | Unit IV | **Urban Economy of India** | **13 Lectures** |
| | | Urban Demography-Urban Labour Market-Migration; Informal Economy-Urban Micro Finance-Urban Poverty- Human Development, Land Market, Clusters of Innovation | |

**References:**

1. O'Sullivan, A., Urban Economics**,** McGraw-Hill Irwin, 2002 **(**BASIC TEXT All Modules)

2. Shukla, V., Urbanization and Economic Growth, Himalaya Publishers Pvt. Ltd., Mumbai, 1996 (Modules 1, 2)

3. Bahl, R and J. Linn, Urban Public Finance in Developing Countries**,** OUP (WB), 1992 (Modules 3, 4)

4. Ramachandran, R., Urban Economics and Urban Systems in India**,** OUP, 1989 (Module 1)

# Modality of Assessment

**Theory Examination Pattern:**

**A) Internal Assessment- 40%- 40 Marks**

| Sr. No. | Evaluation type | Marks |
| --- | --- | --- |
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |

| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
|---|---|---|
| | **TOTAL** | **40** |

## B) External Examination- 60%- 60 Marks

### Semester End Theory Examination:

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

### Overall Examination & Marks Distribution Pattern

#### Semester V

| Course | RUAECO506 | | | Grand Total |
|---|---|---|---|---|
| | Internal | External | Total | |
| **Theory** | **40** | **60** | **100** | **100** |

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## Course Code: TYBA- RUAECO601
## Course Title: Macroeconomics- III
## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION |
|---|---|
| | After completing this course, a student will be able to |
| CO 1 | Demonstrate deeper understanding of macroeconomic principles |
| CO 2 | Develop an understanding into the working of economies |
| CO 3 | Analyze various government policies aiming to resolve macroeconomic issues |
| CO 4 | Suggest appropriate macroeconomic measures to solve real world problems |
| CO 5 | Exhibit an understanding into contemporary global economy |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO601 | | **Macroeconomics- III** | 4 |
| | Unit I | **International Monetary History** | 1 |
| | | The Gold Standard, The Inter-War Period and the Great Depression, The Key Issues debated at Bretton Woods and the system that emerged as a result of those debates, The Collapse of Bretton Woods System, Fixing in Europe via ERM and the Dollar elsewhere, The Maastricht Treaty and preparations for the Euro, The Euro Crisis, Chinese Ambitions in Present Day | **15 Lectures** |
| | Unit II | **Theory – Part 2** | 1 |
| | | Labour Market, Supply of labour, Unemployment, Natural Rate of Unemployment, Wage determination- collective bargaining, Efficiency wages, Price determination, The Phillips Curve: History & | **15 Lectures** |

| | | | |
|---|---|---|---|
| | | Contemporary Debates, The Contributions of Friedman and Lucas | |
| | Unit III | **Theory – Part 3** | 1 |
| | | Stagflation- Monetarism, Lucas Critique<br><br>Rational Expectations Hypothesis and Intertemporal Optimization<br><br>New Macroeconomics- New Keynesian Economics & Market Failures; Aggregate Fluctuations & Stabilization Policy, real business cycles & credibility of Monetary Policy, Walrasian/ Arrow- Debreu Model | **15 Lectures** |
| | Unit IV | **The 2008 GFC & Contemporary Macro Debates** | 1 |
| | | New Growth Theory<br><br>New Consensus Macroeconomics (NCM): Main features, Monetary Policy in NCM<br><br>GFC- Around the world, India;<br><br>Current issues: Schoenmaker Trilemma (Openness, Financial Stability & Autonomous Policy), International Financial Policy coordination, Questioning international capital movements, Bank-sovereign doom loop, Political Economy matters-Rodrik Trilemma (Democracy, national Policy Autonomy & Extensive Globalization), Quantitative Easing & Its impact | **15 Lectures** |

**References:**

1. Blanchard, Oliver; Macroeconomics (4th edition, 9th impression), Pearson education, New Delhi, India.

2. Robert Feenstra & Alan Taylor, International Macroeconomics, Worth Publishers, 2nd ed.

3. https://oecdtv.webtv-solution.com/4977/or/naec_meeting_10_years_after_the_crash.html (For Unit IV Partly)

# Modality of Assessment

**Theory Examination Pattern:**

**A) Internal Assessment- 40%- 40 Marks**

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

**B) External Examination- 60%- 60 Marks**

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

**Overall Examination & Marks Distribution Pattern**

**Semester VI**

| Course | RUAECO601 | | | Grand Total |
|---|---|---|---|---|
| | Internal | External | Total | |
| **Theory** | 40 | 60 | 100 | 100 |

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## Course Code: TYBA- RUAECO602
## Course Title: International Economics
## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION<br>After completing this course, a student will be able to |
|---|---|
| CO 1 | Develop an understanding of the fundamentals of international economic theory |
| CO 2 | Appreciate the dynamics of global economic integration |
| CO 3 | Understand the current trends of the global macro-economy and international relations |
| CO 4 | Trace international movements of factors and the most relevant destinations |
| CO 5 | Analyse trade policy tools and their effects |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| **RUAECO602** | | **International Economics** | **4** |
| | **Unit I** | **Introduction** | **1** |
| | | (a) What is International Economics? An overview of world trade.<br>(b) New trade theories of International Trade: Technological Gaps and Product Cycles; Linder's Theory of Trade; Emergence of intra-industry trade - Krugman's Model, Porter's National Competitive Advantage, Stolper-Samuelson theorem, Monopolistic competition and trade-firm heterogeneity | **15 Lectures** |
| | **Unit II** | **International Flows** | **1** |
| | | Factors determining labour and capital mobility; challenges and issues in outsourcing; | **15 Lectures** |

| | | | |
|---|---|---|---|
| | | Classification of International capital flows (ECBs, short term borrowings and lending, FDI, FPI); issues in international business- trade and environment, trade and labour issues; Global FDI trends and prospects, FDI and the global value chain | |
| | Unit III | **Economics of Integration** | 1 |
| | | Objectives of Economic Integration; Forms; Theory of Customs Union-Trade Creation and Trade Diversion effects; Cartels; Regional Trade Agreements, Trade Blocs- ASEAN, SAARC; EU, Optimum Currency Area Theory, NAFTA, Regionalism Vs Multilateralism. <br> **International Institutions & India** <br> OECD, ADB, IMF, World Bank, WTO- Objectives & Functions, Performance wrt India | **15 Lectures** |
| | Unit IV | **Trade Policy** | 1 |
| | | Case for Free trade and Protection; Tariffs- meaning and effects; Theory of Optimum Tariff; Non- Tariff Barriers and their effects- Export Subsidies, Import Quotas, Voluntary Export Restraint, Dumping and Commodity Agreements; Strategic Trade Policy. | **15 Lectures** |

**References:**

1. Paul Krugman, Maurice Obstfeld, and Marc Melitz, *International Economics: Theory and Policy*, Addison-Wesley (Pearson Education Indian Edition), 9th edition, 2012.

2. Dominick Salvatore, *International Economics: Trade and Finance*, John Wiley International Student Edition, 11th edition, 2013.

# Modality of Assessment

**Theory Examination Pattern:**

**A) Internal Assessment- 40%- 40 Marks**

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

**B) External Examination- 60%- 60 Marks**

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

**Overall Examination & Marks Distribution Pattern**

**Semester VI**

| Course | RUAECO602 | | | Grand Total |
|---|---|---|---|---|
| | **Internal** | **External** | **Total** | |
| **Theory** | **40** | **60** | **100** | **100** |

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# Course Code: TYBA- RUAECO603
# Course Title: DEVELOPMENT EXPERIENCE OF COUNTRIES
# Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION After completing this course, a student will be able to |
|---|---|
| CO 1 | Appreciate importance of learning economic history |
| CO 2 | Analyse and compare functioning of different economies |
| CO 3 | Demonstrate an understanding into the influence of socio-political factors on economic development |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO603 | | **Development Experience of Countries** | **3.5** |
| | Unit I | **Germany** | **13 Lectures** |
| | | Effects of WW II-West and East Germany-The Marshall Plan (The Schuman Declaration (1950)-period of rapid growth-from boom to bust in the 1960s and 1970s-German Unification- prominent economic power in the European union- strengths and challenges at present | |
| | Unit II | **South Korea** | **13 Lectures** |
| | | Effects of the Korean War-rapid growth 1960s-1980s-The Asian Financial crisis of 1990s-development of High-tech industries- Sustainability of growth experience- strengths and challenges at present | |

| | Unit III | Brazil | 13 Lectures |
|---|---|---|---|
| | | Growth without equity- policy of import substitution- Public finance and Deficit-problem of hyperinflation- Market vs State intervention-external debt and failure to stabilize-strengths and challenges at present. | |
| | Unit IV | China | 13 Lectures |
| | | Communist revolution of 1949-Mao Regime: Great Leap Forward-major economic initiatives-China after 1978: Blending political dictatorship and market economy- miraculous economic progress-strengths and challenges at present | |

**References:**

1. Acemoglu D & Robinson J (2013) Why Nations Fail, Profile Book Limited, London
2. Kapila Uma (2019) Indian Economy, Academic Foundation, New Delhi
3. Ministry of Finance, Government of India (2021) Economic Survey 2020-21 Vol. I & II Oxford University Press, New Delhi
4. Sharma Ruchir (2012) Breakout Nations, Allen Lane, London
5. Sharma Ruchir (2016) The Rise and Fall of Nations, Allen Lane, London
6. World Bank (2011) Globalisation and Emerging Economies, Blackwell Publications
7. Research papers, articles from various sources

# Modality of Assessment

**Theory Examination Pattern:**

**A) Internal Assessment- 40%- 40 Marks**

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/ Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |

| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
|---|---|---|
| | **TOTAL** | **40** |

**B) External Examination- 60%- 60 Marks**

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

**Overall Examination & Marks Distribution Pattern**

**Semester VI**

| Course | RUAECO603 | | | Grand Total |
|---|---|---|---|---|
| | **Internal** | **External** | **Total** | |
| **Theory** | **40** | **60** | **100** | **100** |

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## Course Code: TYBA- RUAECO604A
## Course Title: Mathematics for Economics- II
## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION<br>After completing this course, a student will be able to |
|---|---|
| CO 1 | Use different types of mathematical techniques that can be used for analysing economic variables, their interrelationships and economic theory |
| CO 2 | Interpret economic theory on the basis of these mathematical tools |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO604A | | **Mathematics for Economics- II** | **4** |
| | Unit I | **Exponential and Logarithmic Function** | 1 |
| | | Properties of exponents and Logarithms, Natural Exponential and Logarithmic Function, Interest Compounding, Effective vs Nominal Rates of interest, Discounting | **15 Lectures** |
| | Unit II | **Linear Algebra** | 1 |
| | | Matrices and basic operations on matrices, Rank of a Matrix, Cofactor and Adjoint Matrices, Inverse of a Matrix, Cramer's Rule, Input-output Analysis and policy implications, Determinants and their properties, Linear Programming problem: formulation and graphical solution | **15 Lectures** |
| | Unit III | **Integral Calculus** | 1 |
| | | Integration and definite integral, area under the curve, Economic Application<br>Present value of cash flows (present value of a sum to be received in future and present value of | **15 Lectures** |

| | | a stream of future income), Consumer's and Producer's surplus, Learning curve | |
|---|---|---|---|
| | Unit IV | **First Order Differential Equation, First Order Difference Equation** | **1** |
| | | General Formula for First Order Linear Differential Equations, Exact Differential Equation and Partial Integration, Rules for Integrating Factors, Separation of Variables, Economic Applications, General Formula for First Order Linear Difference Equation, Stability Conditions, Lagged Income Determination Model, The Cobweb Model | **15 Lectures** |

**References:**

1. Dowling Edward T, Introduction to Mathematical Economics, Schaum Outline Series in Economics, Tata McGraw -Hill, New Delhi,2004

2. Lerner Joel J and P. Zima: Theory and Problems of Business Mathematics, McGraw Hill, New York, 1986.

3. Dowling Edward T: Theory and Problems of Mathematical Methods for Business and Economics, McGraw –Hill,1993

4. Pfitzner Barry C.: Mathematical Fundamentals of Microeconomics, biztantra, New Delhi, 2003.

5. Bose D. Mathematical Economics, Himalaya Publishing House, Mumbai,1996

6. Gupta S. P., Statistical Methods, S. Chand, New Delhi

7. Sancheti D.C. and V.K. Kapoor, Statistics-Theory, Methods and Applications, S. Chand, New Delhi

# Modality of Assessment

**Theory Examination Pattern:**

**A) Internal Assessment- 40%- 40 Marks**

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |

| 2 | One class Test (multiple choice questions / objective) | 20 |
|---|---|---|
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

**B) External Examination- 60%- 60 Marks**

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

**Overall Examination & Marks Distribution Pattern**

**Semester VI**

| Course | RUAECO604A | | | Grand Total |
|---|---|---|---|---|
| | **Internal** | **External** | **Total** | |
| **Theory** | **40** | **60** | **100** | **100** |

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<div align="center">

**Course Code: TYBA- RUAECO604B**

**Course Title: Research Methodology- II**

**Academic year 2023-24**

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## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION |
|---|---|
| | After completing this course, a student will be able to |
| CO 1 | Understand various steps involved in research |
| CO 2 | Develop their own research plan |
| CO 3 | Carry out research independently |

<div align="center">

## DETAILED SYLLABUS

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| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO604B | | **Research Methodology- II** | **4** |
| | **Unit I** | **Statistical applications in research** | **1** |
| | | ● Methods of studying Correlation- measurement of simple correlation: graphic method: scatter diagram- coefficient of correlation- Karl Pearson and rank correlation-interpretation of r = ± 1 <br><br> ● Linear Regression Analysis: meaning, regression lines, regression coefficients, regression equations, relationship between correlation and regression <br><br> ● Analysis of Time Series – components –trend analysis- moving averages (3, 4 and 5 yearly) - method of least square | **15 Lectures** |
| | **Unit II** | **Elementary Probability Theory and Probability Distribution** | **1** |

| | | | |
|---|---|---|---|
| | | ● Elementary Probability Theory <br><br> ● Concept of Discrete random Variable and properties of its probability distribution, some standard Discrete distribution <br><br> ● Concept of continuous random variable and properties of its probability distribution, some standard continuous distributions | **15 Lectures** |
| | Unit III | **Hypothesis formulation and Hypothesis Testing** | 1 |
| | | ● Definition and functions of hypothesis –Criteria of workable hypothesis – forms and sources of hypothesis <br><br> ● Concepts in Testing of Hypothesis: Universe / Population, parameter and statistic, Null and Alternative Hypotheses, Levels of Significance, critical region, Type I and type II errors - Point and Interval Estimates | **15 Lectures** |
| | Unit IV | **Research Report Writing** | 1 |
| | | Types of Research Report: Technical, Popular, Interim, Summary, Article <br> 1) Format of a Research Report <br> 2) Principles of writing the Research Report: Organization and Style - Contents-Styles of reporting- Steps in drafting Reports- Editing the final draft-Evaluating the final draft - Organization of the Research Report: Preliminaries, Contents of Report, Structuring the Report: Chapter format- Pagination- Identification- Using quotations- Presenting footnotes– abbreviations- Presentation of tables and figures- Referencing- Documentation-Use and format of appendices- Indexing - Bibliography, Appendices | **15 Lectures** |

**References:**

1. Gopal, M.H (1970) An Introduction to Research Procedures in Social Sciences, Asia Publishing House, Mumbai

2. Kothari, C.R (2004) Research Methodology: An Introduction, Delhi, New Age

3. Krishnaswami, O. R & M. Ranganatham (2011) Methodology of Research in Social Sciences, Himalaya Publishing House, Mumbai

4. Gupta S P (2017) Statistical Methods, Sultan Chand and Sons, New Delhi

# Modality of Assessment

**Theory Examination Pattern:**

### A) Internal Assessment- 40%- 40 Marks

| Sr. No. | Evaluation type | Marks |
|---------|-----------------|-------|
| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

### B) External Examination- 60%- 60 Marks

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|----------|---------|-------|--------------------|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |

| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

**Overall Examination & Marks Distribution Pattern**

**Semester VI**

| Course | RUAECO604B | | | Grand Total |
| --- | --- | --- | --- | --- |
| | **Internal** | **External** | **Total** | |
| **Theory** | **40** | **60** | **100** | **100** |

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## Course Code: TYBA- RUAECO605A
## Course Title: Econometrics- II
## Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION After completing this course, a student will be able to |
|---|---|
| CO 1 | Learn advanced concepts in econometrics |
| CO 2 | Gain an understanding of different econometric tools that can be used for empirical estimation of economic theory |
| CO 3 | Apply these tools for empirical estimation with the help of softwares like R and STATA |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| RUAECO605A | | Econometrics- II | 4 |
| | Unit I | Advanced Topics in Regression | 1 |
| | | ● Understanding the idea of Outliers– its implications and detection ● Understanding the idea of Endogeneity and the idea of Instrument Variable Bias ● Dummy Variables | 15 Lectures |
| | Unit II | Introduction to Time Series | 1 |
| | | ● Understanding different kinds of data sets: Cross-section, Time Series and Panel Data sets ● Introducing the concept of Time Series data and how it is different from OLS Regression by giving brief introduction of Maximum Likelihood Estimation | 15 Lectures |

| | | | |
|---|---|---|---|
| | | ● Different Time Series Models: Linear Trend, Random Walk, AR Process<br><br>● Idea of Stationarity and Non-stationarity<br><br>● Test for Stationarity: Augmented Dickey Fuller Test<br><br>● Introduction to ARIMA Modelling | |
| | Unit III | **Basic Regression Analysis with Time Series and Panel Data** | 1 |
| | | ● Time Series Regression Models: Static Models, Finite Distributed Lag Models,<br><br>● Pooling Independent Cross Section Across Time,<br><br>● Fixed Effect Estimation: The Dummy Variable Regression, Fixed Effects or<br><br>● First Differencing, Random Effect Models | **15 Lectures** |
| | Unit IV | **Simultaneous Equation Models and Distributed Lag Models** | 1 |
| | | ● The Nature of Simultaneous Equation Models<br><br>● Simultaneity Bias in OLS<br><br>● Identifying and Estimating a Structural equation in Two, Three and More Equations<br><br>**Project:** Analysing Economic data sets from different sources and doing a project using the econometric tools studied throughout the course. | **15 Lectures** |

**References:**

1. Gujarati D and Sangeeta, Basic Econometrics
2. Cameron Colin A. and Trivedi P K, Microeconometrics Methods and Applications
3. Wooldridge J M Introductory Econometrics, A Modern Approach

# Modality of Assessment

**Theory Examination Pattern:**

### A) Internal Assessment- 40%- 40 Marks

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| 1 | One Assignment/Case study/ Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

### B) External Examination- 60%- 60 Marks

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

## Overall Examination & Marks Distribution Pattern

### Semester VI

| Course | RUAECO605A | | Grand Total |
|---|---|---|---|

|  | Internal | External | Total |  |
|---|---|---|---|---|
| **Theory** | **40** | **60** | **100** | **100** |

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# Course Code: TYBA- RUAECO605B

# Course Title: Behavioural Economics

# Academic year 2023-24

## COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION After completing this course, a student will be able to |
|---|---|
| **CO 1** | Get acquainted with the fundamentals of Behavioural Economics |
| **CO 2** | Understand the complexities of decision making and its application |
| **CO 3** | Study application of BE in different fields |

# DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits/ Lectures |
|---|---|---|---|
| **RUAECO605B** |  | **Behavioural Economics** | **4** |
|  | **Unit I** | **Principles of Behavioural Economics – I** | **1** |
|  |  | History of Behavioural Economics – Need for behavioural principles in economics – Early work – Bounded Rationality – Allais Paradox – Prospect Theory (Loss Aversion, Endowment Effect) – Heuristics and Biases (Availability, Anchoring, Adjustment, Framing) – Intertemporal Choice (Self-control problem) – Reference Dependent Preferences | **15 Lectures** |
|  | **Unit II** | **Principles of Behavioural Economics – II** | **1** |
|  |  | Auctions (revenue equivalence theorem and practice) – Biases in Market Behaviour (equilibrium prices) – Consumer Psychology (Choice overload, | **15** |

| | | | |
|---|---|---|---|
| | | option paralysis) – Subjective Well-being and Happiness – Mental Accounting – Social Preferences (inequity, fairness, trust) – Decision-making under uncertainty (risk aversion) | |
| | **Unit III** | **Methods used in Behavioural Economics** | **1** |
| | | Theoretical methods vs. empirical methods – Theoretical studies in behavioural economics – applications of psychological principles – Experimental methods – Lab Experiments – Field Experiments – Natural Experiments – Policy Experiments – Critique of methods used | **15** |
| | **Unit IV** | **Applications of Behavioural Economics** | **1** |
| | | Critique of behavioural economics – Applications in Policy (Education, Health, Development, Welfare) – Applications in Business and Corporates – Neuroeconomics – Nudging & Choice Architecture | **15 Lectures** |

**References:**

1. Angner, Erik. *A Course in Behavioral Economics 2e*. Palgrave Macmillan, 2016.

2. Camerer, Colin F., George Loewenstein, and Matthew Rabin, eds. *Advances in behavioral economics*. Princeton university press, 2011.

3. Thaler, Richard, and Cass Sunstein. *Nudge: Improving decisions about health, wealth, and happiness.*Yale University Press, 2008.

4. Kahneman, Daniel. *Thinking, fast and slow*. Macmillan, 2011.

5. Ariely, Dan. *Predictably irrational*. New York: HarperCollins, 2009.

6. List, John, and Uri Gneezy. *The why axis: hidden motives and the undiscovered economics of everyday life*. Random House, 2014.

# Modality of Assessment

**Theory Examination Pattern:**

**A) Internal Assessment- 40%- 40 Marks**

| Sr. No. | Evaluation type | Marks |
|---|---|---|
| | | |

| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
|---|---|---|
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
| | **TOTAL** | **40** |

## B) External Examination- 60%- 60 Marks

### Semester End Theory Examination:

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
| | **TOTAL** | **60** | |

## Overall Examination & Marks Distribution Pattern

### Semester VI

| Course | RUAECO605B | | | Grand Total |
|---|---|---|---|---|
| | **Internal** | **External** | **Total** | |
| **Theory** | **40** | **60** | **100** | **100** |

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## Course Code: TYBA- RUAECO606
## Course Title: Corporate Finance
## Academic year 2023-24

### COURSE OUTCOMES:

| COURSE OUTCOME | CO DESCRIPTION After completing this course, a student will be able to |
|---|---|
| CO 1 | Understand the valuation process, various dividend theory and cost of capital models studied in financial management |
| CO 2 | Understand and analyse the intermediary corporate financial parameters taken into consideration |
| CO 3 | Decide the respective area of investment based on his acquired knowledge of the course |

## DETAILED SYLLABUS

| Course Code | Unit | Course/ Unit Title | Credits Lectures |
|---|---|---|---|
| RUAECO606 | | Corporate Finance | 3.5 |
| | Unit I | Valuation | 13 Lectures |
| | | i) Value and return Introduction, Time Preference for Money, Future Value: Single cash flows, Annuity, Sinking Fund Present Value: Single Cash FLOW, Annuity, Uneven Cash Flows Net Present Value: Present Value and Rate of Return, IRR Calculation ii) Portfolio Theory and Asset Pricing models Introduction, Portfolio Return: Two Asset Case Portfolio Risk Two Asset Case | |

| | | | |
|---|---|---|---|
| | | Minimum Variance Portfolio: Portfolio Return and Risk<br><br>Portfolio Risk: n Asset Case<br><br>Risk Diversification<br><br>Capital Asset Pricing Model (CAPM)<br><br>Capitalization: over and under capitalization. | |
| | **Unit II** | **Investment Decisions** | **13 Lectures** |
| | | Capital Budgeting Decisions<br><br>Introduction, NPV Net Present Value and Calculation of NPV<br><br>Internal Rate of Return, Accounting Rate of Return<br><br>Payback Period Method | |
| | **Unit III** | **Dividend Theory** | **13 Lectures** |
| | | Introduction<br><br>Dividend Relevance:  Walter's Model, Gorden's Model<br><br>Dividend Irrelevance: Miller- Modigliani Hypothesis<br><br>Relevance of Dividend Policy under Market Imperfections | |
| | **Unit IV** | **Cost of capital and capital structure** | **13 Lectures** |
| | | Capital Structure, Components of Capital. Determining components of Cost of Capital, Financial Leverage, Calculating Weighted Average Cost of Capital (WACC), Optimal capital structure | |

# Modality of Assessment

**Theory Examination Pattern:**

### A) Internal Assessment- 40%- 40 Marks

| Sr. No. | **Evaluation type** | **Marks** |
|---|---|---|

| 1 | One Assignment/Case study/Project/ Presentation/ Skit/ Short film/ Poster/ Exhibition etc. | 15 |
|---|---|---|
| 2 | One class Test (multiple choice questions / objective) | 20 |
| 3 | Active participation in routine class instructional deliveries (case studies/ seminars/presentation) | 05 |
|   | **TOTAL** | **40** |

**B) External Examination- 60%- 60 Marks**

**Semester End Theory Examination:**

1. Duration - These examinations shall be of **2 hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15** marks. On each unit there will be one question.
   b. All questions shall be compulsory with internal choice within the questions.

**Paper Pattern:**

| Question | Options | Marks | Questions Based on |
|---|---|---|---|
| Q.1) A) B) C) | Any 2 out of 3 | 15 | Unit I |
| Q.2) A) B) C) | Any 2 out of 3 | 15 | Unit II |
| Q.3) A) B) C) | Any 2 out of 3 | 15 | Unit III |
| Q.4) A) B) C) | Any 2 out of 3 | 15 | Unit IV |
|   | **TOTAL** | **60** |   |

**Overall Examination & Marks Distribution Pattern**

**Semester VI**

| Course | RUAECO606 | | | Grand Total |
|---|---|---|---|---|
|   | **Internal** | **External** | **Total** |   |
| **Theory** | **40** | **60** | **100** | **100** |

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