

**SREENARAYANAGURU**  
O P E N U N I V E R S I T Y

**MASTER OF ARTS IN ECONOMICS**

**SCHEME & SYLLABUS**

**(Semester I, II, III & IV)**

**P**

**2023 ADMISSION ONWARDS**

SREENARAYANAGURU OPEN UNIVERSITY  
POST GRADUATE PROGRAMME

COURSE CODING SCHEME

Course Coding Index

<b>Degree</b>	<b>Scheme Year</b>	<b>Discipline</b>	<b>Course Number</b>	<b>Course Category</b>
Masters	2023	ECONOMICS	01	Discipline Core

<b>M</b>	<b>23</b>	<b>EC</b>	<b>01</b>	<b>DC</b>
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<b>Table- A</b>			<b>Table -B</b>	
<b>No.</b>	<b>Discipline</b>	<b>Code</b>	<b>Course Category</b>	<b>Code</b>
1	Commerce	CM	Discipline Core	DC
2	Malayalam	ML	Discipline Specific Elective	DE
3	English	EG	Ability Enhancement Compulsory Courses (Discipline Specific & Institution Specific)	AC (DS&I S)
4	Hindi	HD		
5	Arabic	AR	Skill Enhancement Compulsory Courses	SC
6	Sanskrit	SN		
7	History	HS	Internship	IN
8	Political Science	PS	Dissertation / Project Work	DP
9	Sociology	SO	Cross border Discipline Courses	CB
10	Economics	EC		
11	Public Administration	PA	University Code	UC

**SREENARAYANAGURU OPEN UNIVERSITY**  
**POST GRADUATE PROGRAMME IN ECONOMICS**

**Programme Structure and Course Distribution**

<b>Sem</b>	<b>Discipline Core Course (4 Credit each)</b>	<b>Discipline Specific Elective Course (4 Credit each)</b>	<b>Ability Enhancement Compulsory Course- Discipline Specific AC (DS) (2 Credit each)</b>	<b>Ability Enhancemen t Compulsory Course- Institution Specific AC (IS) (2 Credit each)</b>	<b>Skill Enhancement Course (SC) (2 Credit)Compu Isory/ Internship</b>	<b>Dissertation / Project Work (DP) (4 Credit )</b>	<b>Cross border Discipline Course(CB) (4 Credit ) (Optional)</b>	<b>Total Credit per Semester</b>
<b>I</b>	M23EC01DC							<b>18</b>
	M23EC02DC		M23EC01A C (DS)					
	M23EC03DC							
	M23EC04DC							

<b>II</b>	<b>M23EC05DC</b>			<b>M21UC01A C (IS)</b>			<b>M21CM01CB M21EG01CB M21ML01CB M21SO01CB M23AR01CB M23HD01CB M21HS01CB M23PH01CB M23SN01CB M23PS01CB M23PA01CB</b>	<b>18</b>
	<b>M23EC06DC</b>							
	<b>M23EC07DC</b>							
	<b>M23EC08DC</b>							
<b>III</b>	<b>M23EC09DC</b>	<b>M23EC01D E</b>			<b>M23EC01SC</b>		<b>(Any two from the list in any two semesters)</b>	<b>18</b>
	<b>M23EC10DC</b>	<b>M23EC02D E M23EC03 DE M23EC04 DE (Any two)</b>						

<b>IV</b>	<b>M23EC11DC</b>	<b>M23EC05D E M23EC06D E (Any one)</b>			<b>M23EC02SC</b>	<b>M23EC01 DP</b>		<b>18</b>
	<b>M23EC12DC</b>							
<b>Total Credit (Total course s*cred it)</b>	<b>48(12*4)</b>	<b>12(3*4)</b>	<b>2(1*2)</b>	<b>2(1*2)</b>	<b>4(2*2)</b>	<b>4(1*4)</b>	<b>8(2*4)</b>	<b>72-80</b>

**SREENARAYANAGURU OPEN UNIVERSITY**  
**POST-GRADUATE PROGRAMME IN ECONOMICS**  
**SEMESTER-WISE DISTRIBUTION OF COURSES**

<b>SEMESTER I</b>				
<b>Sl. No.</b>	<b>Course Type</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>
1.	Discipline Core Course	M23EC01DC	Microeconomics I	4
2.	Discipline Core Course	M23EC02DC	Macroeconomics I	4
3.	Discipline Core Course	M23EC03DC	Indian Economy	4
4.	Discipline Core Course	M23EC04DC	Quantitative Methods for Economics I	4
5.	Ability Enhancement Compulsory Course (Discipline Specific)	M23EC01AC (DS)	Software Packages for Economic Analysis (Spreadsheet)	2

<b>SEMESTER II</b>				
<b>Sl. No.</b>	<b>Course Type</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>
1.	Discipline Core Course	M23EC05DC	Microeconomics II	4

2.	Discipline Core Course	M23EC06DC	Macroeconomics II	4
3.	Discipline Core Course	M23EC07DC	Economic Growth and Development	4
4.	Discipline Core Course	M23EC08DC	International Economics	4
5.	Ability Enhancement Compulsory Course (Institution Specific)	M21UC01AC (IS)	Foundational Skills for Research and Writing	2

SEMESTER III				
Sl. No.	Course Type	Course Code	Course Name	Credit
1.	Discipline Core Course	M23EC09DC	Public Finance	4
2.	Discipline Core Course	M23EC10DC	Quantitative Methods for Economics II	4
3.	Discipline Specific Elective Course  (Choose any two)	M23EC01DE	History of Economic Thought	4
		M23EC02DE	Agricultural Economics	4
		M23EC03DE	International Finance	4
		M23EC04DE	Environmental Economics	4
4.	Skill Enhancement Compulsory Course	M23EC01SC	Security Analysis and Portfolio Management	2



<b>SEMESTER IV</b>				
<b>Sl. No.</b>	<b>Course Type</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>
1.	<b>Discipline Core Course</b>	<b>M23EC11DC</b>	<b>Econometrics</b>	<b>4</b>
2.	<b>Discipline Core Course</b>	<b>M23EC12DC</b>	<b>Kerala Economy</b>	<b>4</b>
3.	<b>Discipline Specific Elective Course</b>  <b>(Choose any one)</b>	<b>M23EC05DE</b>	<b>Industrial Economics</b>	<b>4</b>
		<b>M23EC06DE</b>	<b>Gender and Development</b>	<b>4</b>
4.	<b>Skill Enhancement Compulsory Course</b>	<b>M23EC02SC</b>	<b>Artificial Intelligence and Machine Learning</b>	<b>2</b>
5.	<b>Dissertation/Project work</b>	<b>M23EC01DP</b>	<b>Dissertation</b>	<b>4</b>

**Cross Border Discipline Courses (SEMESTER I/II/III/IV)**

<b>Sl.No.</b>	<b>Course Type</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>
1.	<b>Cross Border Discipline Courses</b>	<b>M21CM01CB</b>	<b>Organisational Behaviour</b>	<b>4</b>
2.	<i>(It is optional for learners who want to pursue courses in other disciplines over and above the mandatory courses for the admitted PG programme) *a maximum of 2 courses with 4 credits each not exceeding 1 per semester</i>	<b>M21EG01CB</b>	<b>Romantics and Victorians</b>	<b>4</b>
3.		<b>M23AR01CB</b>	<b>Arabic for All</b>	<b>4</b>
4.		<b>M23HD01CB</b>	<b>Beginner's Hindi</b>	<b>4</b>
5.		<b>M23SN01CB</b>	<b>Samskrutha Varthani</b>	<b>4</b>

6.		M21HS01CB	Struggle for Indian Independence	4
7.		M23PH01CB	Social Ethics	4
8.		M21ML01CB	കവിതയും കഥയും (Kavithayum Kadhayum)	4
9.		M21SO01CB	Criminology	4
10.		M23PS01CB	Introduction to the Constitution of India	4
11.		M23PA01CB	Human Rights	4

**Evaluation:**

The evaluation of the programme will be based on two aspects:

1. Continuous Internal Evaluation (CIE)
2. End Semester Examination (ESE)

CIE and ESE will be in the ratio 30:70

CIE has two components viz. Descriptive Assignment and Analytical Assignment carrying 15 marks each.

# Semester - I

**M23EC01DC**  
**MICROECONOMICS I**

**CREDITS - 4**

**Course Objectives:**

1. To familiarise with various theories of consumer behaviour and apply them in real life situations
2. To acquaint the learners with producer behaviour, production functions, cost functions, and market structure under microeconomic theory.
3. To get an understanding on game theory and its different forms

**Course Outcomes:**

1. Identify appropriate theories of consumer behaviour and apply them to analyse real-life situations.
2. Think about how individuals and society as a whole benefit or are harmed by economic markets.
3. Articulate like an economist and apply microeconomic concepts to analyse real-life situations.
4. Enable learners to take decisions under the game theory by applying it in real world

**COURSE DETAILS**

**BLOCK-1 Theory of Consumer Behaviour**

**Unit-1**

The Pragmatic Approach to Demand Theory - Constant Elasticity Demand Function - Dynamic Versions of Demand Function - Nerlove, Houthakker and Taylor - Linear expenditure system.

**Unit-2**

Consumer Choices Involving Risk and Uncertainty, Time and Characteristics -Bernoulli Hypothesis, Neumann and Morgenstern Index, Friedman and Savage hypothesis

**Unit 3**

Case Studies - Elasticity of Demand - Consumer surplus

## **BLOCK- 2 Production and Cost Analysis**

### **Unit- 1**

Production function - homogeneous and non-homogeneous production functions - technical progress and production function - capital deepening, labour deepening and neutral technical progress - exogenous and endogenous technical progress

### **Unit-2**

Empirical production functions - Cobb-Douglas Production Function - Constant Elasticity Substitution Production Function—Variable Elasticity of Substitution (VES) Production Function-- Homothetic Production Function

### **Unit-3**

Modern Cost Theory - The L shape Scale curve- Engineering production function and Engineering cost curves (with illustration) - Learning Curve- Returns to Scope

### **Unit -4**

Case Studies - Different production functions

## **BLOCK-3 Market Structures**

### **Unit-1**

Monopoly - price discrimination - international price discrimination and dumping – intertemporal price discrimination and peak load pricing - two-part tariff - tying and bundling

### **Unit-2**

Monopolistic competition- Chamberlin's (large group) model - equilibrium with new firms entering the industry- excess capacity – markup over marginal cost - debate over advertising.

### **Unit-3**

Oligopoly- Non-collusive oligopoly - Cournot's duopoly, Bertrand duopoly, Chamberlin's small group model - Collusive oligopoly - cartels – price leadership models - Theory of Games - Strategies - Static Games & Dynamic Games- Zero-Sum Game & Non-Zero-Sum Game - Prisoner's Dilemma - Nash Equilibrium

## **Unit 4**

Case Studies - Imperfect Markets - Game Theory - Nash Equilibrium - Price Setting Problems

## **BLOCK-4 Managerial Theories of the Firm**

### **Unit-1**

Critique of Neoclassical Theory of Firms - basic assumptions of neo classical theory – Hall and Hitch Report and full cost pricing principle – Gordon's attack on marginalism

### **Unit-2**

Average cost models - Bain's limit pricing – the models of Sylos – Labini

### **Unit-3**

Baumol's Sales maximisation – Marris model of managerial enterprise – Williamson's managerial discretion - Basic ideas of Behavioural Model of Cyert and March

### **Unit - 4**

Case Studies - full-cost pricing - CEO Payments

### **Essential readings:**

1. Salvatore, Dominick (2009), Principles of Microeconomics
2. Koutsiyiannis, A (2013), Modern Microeconomics, Macmillan Press, London
3. Pindyck, Robert.S, Rubinfeld, Daniel, L, Mehta, Premlal, L (6th edition), Micro Economics
4. Varian H.R (2010), Intermediate MicroEconomics: A Modern Approach, East– West Press Edition 10. Snyder, Christopher & Nicholson, Walter (2012), Microeconomic Theory-Basic Principles and Extensions, Cengage learning
5. Snyder, Christopher, Nicholson, Walter. (2012). Microeconomic Theory: basic principles and extensions (Ed. 11th), Cengage Learning

### **Additional Readings:**

1. Mankiw, Gregory.N (2012), Principles of Microeconomics, 6th Edn, Cengage Learning
2. Krugman, Paul & Wells, Robin (2005), Micro Economics', Worth Publishers, New York

3. Serrano, Roberto, Feldman, Allan, M (2013), A short course in intermediate microeconomics with Calculus, Cambridge University Press
4. Perloff, J.( 2012) *Microeconomics*. 6th ed, Pearson Education
5. Gravelle Hugh and Rees Ray(2004), *Microeconomics*, 3rd Edition, Pearson Education Limited

## **M23ECO2DC**

### **MACROECONOMICS I**

**CREDITS - 4**

#### **Course Objectives:**

1. To provide learners with a sound understanding of macroeconomic theory to analyse current economic issues.
2. To analyse the Classical and Keynesian theories of employment and output
3. To critically comprehend the theories of inflation and unemployment
4. To familiarise with various theories of demand and supply of money.

#### **Course Outcomes:**

1. Analyse current economic situations and be able to choose the appropriate macroeconomic theories.
2. Articulate the variations of real-world situations compared to the IS-LM analytics and the short-run and long-run Philips curve.
3. Understand the importance of regulating the financial system and identifying the various measures to control the system

### **COURSE DETAILS**

#### **BLOCK 1 Classical Versus Keynesian Approach**

##### **Unit-1**

Classical and Keynesian theories of employment and output.

##### **Unit-2**

Neoclassical Synthesis - IS-LM Model for three & four sectors - Effectiveness of Fiscal and Monetary policies - AD-AS Framework

##### **Unit 3**

Case Studies- effectiveness of IS-LM model - response of the Federal Reserve to the 2008 financial crisis

#### **BLOCK 2 Theories of Consumption and Investment**



### **Unit-1**

Consumption Demand – Kuznets Consumption Puzzle – Absolute Income Hypothesis- Drift Hypothesis of Smithies and Relative Income Hypothesis - Permanent Income Hypothesis Life Cycle Hypothesis - Robert Hall's Random Walk Hypothesis.

### **Unit-2**

Investment Demand – Keynesian Approach – MEC – Lags in Investment demand - Accelerator theory of Investment- Capital Stock Adjustment Principles - Interaction of accelerator and multiplier -Jorgenson's Neoclassical Investment Model. Financial theory of investment determination- Modigliani-Miller Theory- Tobin's Q ratio - Post Keynesian Approaches.

### **Unit 3**

Case Study - The Life Cycle Hypothesis and Consumption Patterns of Aging Populations - Analysing the Impact of Financial Market Imperfections on Investment Demand

## **BLOCK 3 Demand and Supply of Money**

### **Unit-1**

Classical approach to demand for money- Quantity theory approaches - Fisher's equation - Cambridge quantity theory - Keynes' liquidity preference approach

### **Unit-2**

Post Keynesian approaches to demand for money - Friedman's restatement of Quantity theory of money, -Approaches of Baumol and Tobin - Real Balance Effect - Patinkin and Pigou

### **Unit-3**

Measures of money supply - The H theory of money supply- Behavioural and endogenous money supply models- Money multiplier process and its determination - Control of Money supply- Methods of Monetary Control- RBI Approach - High Powered Money- Inside and Outside Money

## **BLOCK 4 Theories of Inflation and Unemployment**

### **Unit-1**

Inflation - Inflation-unemployment trade off - Phillips Curve – Short run, Long run Phillips Curve -The Natural Rate of Unemployment Hypothesis

## **Unit 2**

Role of Expectations- Adaptive Expectation Hypothesis – Rational Expectations hypothesis  
- Expectations Augmented Phillips Curve - NAIRU - Tobin's View - Monetarist theory of  
Inflation - Structuralist theory of Inflation - Stagflation - Cost of Inflation- Strategies to control  
inflation.

## **Unit-3**

The new microeconomic theories of labour market - Search theory - DMP (Diamond,  
Mortenson, Pissarides) model - Matching theory.

## **Essential readings**

1. Richard T Froyen, Macro Economics; Theory and Policy, Macmillan Publishing Co.,  
New York, 1990
2. Rosalind Levacic and Alexander Rebmann, Macro Economics: An Introduction to  
Keynesian-Neoclassical Controversies, The Macmillan Press Ltd, London
3. Snowdown B, H.R Vane and F. Wynarczyk, A Modern Guide to Macroeconomics: An  
introduction to competing schools of thought .
4. Rudiger Dornbusch, Stanley Fisher and Richard Startz (2007) 7th Ed:  
Macroeconomics.
5. Mankiw, N. Gregory author. ( 2016). Macroeconomics. New York :Worth Publishers

## **Additional Readings:**

1. Ackley G, Macro Economics; Theory and Policy, Macmillan, New York, 1978
2. Andrew B. Paul and Ben S Bernanke, Macro Economics, Pearson Education, New  
Delhi
3. Culbertson J. M, MacroEconomic Theory and Stabilisation Policy, McGraw Hill,  
Tokyo
4. Dasgupta, A. K. and Hagger, A. J, The Objectives of Macro Economic Policy,  
Macmillan, London, 1971
5. Denberg, Thomas. F, Macroeconomics: Concepts, Theories and Policies, McGraw-  
Hill, New York, 1985

6. Eugene Diulio, Theory and Problems of Macroeconomics, Schaum's Outline Series, Mc Graw Hill Publishing Company, Singapore
7. Friedman, M, Studies in the Quantity Theory of Money, The University of Chicago Press, Chicago
8. Gordon R. and S.G. Harris, Macro Economics, Addison Wesley, Massachusetts
9. Keynes, J. M, The General Theory of Employment, Interest and Money, Macmillan, London, 1961
10. Piston, M. H, Theory of Macroeconomic Policy, Philip Allen, Oxford, 1974
11. Prachowney, Martin F. J, The Goals of Macroeconomic Policy, Routledge, London, 1994
12. Salvatore, D, International Economics, Macmillan, New York, 1990
13. Shapiro, E, Macroeconomic Analysis, Galgotia Publications, New Delhi, 1994
14. Sodersten, B, International Economics, Macmillan, New York
15. Y. P. Venieries and F. D. Sebold, Macro Economic Models and Policy

## **M23ECO3DC**

### **INDIAN ECONOMY**

#### **CREDIT - 4**

#### **Course Objectives:**

1. To understand the structure and nature of the Indian economy
2. To critically evaluate economic reforms since 1991.
3. To comprehend development issues, challenges and policies of Indian economy

#### **Course Outcomes:**

1. Introduced to the experiences of Indian Economy during British period, and have an awareness of the status of the economy during the periods of Five Year Plans
2. Able to get familiarised with major reforms happened in the economy and thereby have a perspective on policy approaches of the country
3. Allows learners to have a fundamental understanding about the BOP position of the country and opens a way to knowing India's trade relations with the world
4. Learners are motivated to collect factual information of key issues facing the country and examine the policy initiatives of the Government to tackle the issues.
5. An ample opportunity to get aware of major topics of discussions in the economic front such as recent reforms in tax viz.introduction of GST and reforms in Direct Taxes

### **COURSE DETAILS**

#### **Block 1 Introduction to Indian Economy**

##### **Unit 1**

Indian Economy during the British Period - Drain Theory – Sectoral composition of GDP

##### **Unit 2**

Mixed Economy- Historical background of Planning - Bombay Plan - Planning Commission and Five Year Plans - NITI Aayog

##### **Unit 3**

Demographic features of Indian population - population policy - Demographic dividend - rural-urban migration - Urbanisation

#### **Unit 4**

Poverty – various poverty estimations - Policies and Programmes of Poverty Alleviations - Unemployment – unemployment estimation- Rural-Urban and Female-Male Unemployment Trends - Causes of Unemployment in India - Inequality -State of Inequality in India Report, 2022 - Regional disparities in India.

### **Block 2 Sectoral Developments**

#### **Unit 1**

GDP - Sectoral contribution of Agricultural, Industrial and Service sectors

#### **Unit 2**

Agricultural development in India – Land Reforms – Green Revolution, White Revolution, Yellow Revolution – Globalisation and Indian Agriculture - WTO - Support Systems in Agriculture - Crop Insurance - Minimum Support Price system – Subsidies – Public Distribution System - NFSA, 2013 - APMC

#### **Unit 3**

Industrial Development in India – Industrial policies since 1991 – Public Private Partnership - MSMEs

#### **Unit 4**

Service Sector Development in India – Trade - Hotel - Transport - Communication - Financial - Real Estate - Public Administrations - Defence and other services.

### **Block 3 Era of Economic Reforms**

#### **Unit 1**

First wave of liberalisation in 1980's - SAP and Stabilisation policies -1991 Economic Crisis

#### **Unit 2**

Industrial sector reforms - Liberalisation and Privatisation - FDI - Disinvestment policy

#### **Unit 3**

Financial Sector Reforms in India - Banking Sector Reforms - Narasimham Committee Report, 1991 and 1998 - Mission Indradhanush - financial inclusion - JAM Trinity - Major reforms in Insurance - Pension - Stock market - NCLT - FSLRC

#### **Unit 4**

Major Fiscal and Tax Reforms – FRBM- GST - Insolvency and Bankruptcy Code (IBC) - Corporate Tax Rate Reduction - Benami Transactions (Prohibition) Act

### **Block 4 External Sector Reforms and Recent developments**

#### **Unit 1**

External sector reforms-composition and directions of India's foreign trade - MEIS - SEIS - CECA - Act East Policy - RCEP

#### **Unit 2**

Merger of PSU Banks - Payments Banks - Implementation of Basel III Norms

#### **Unit 3**

Other Recent developments- Demonetisation - Digital India initiatives- Asset monetization pipeline

#### **Essential Readings:**

1. Kapila Uma (ed) (2016) Indian Economy Since Independence: A Comprehensive and Critical Analysis of India's Economy 1947-2016, Academic Foundation, New Delhi
2. Jalan, B. (1992), The Indian Economy – Problems and Prospects, Viking, New Delhi
3. Ahulwalia, I.J. and I.M.D. Little (Eds) (1999), India's Economic Reforms and Development, (Essays in honour of Manmohan Singh), Oxford University Press, New Delhi.
4. Government of India, Economic Survey (Annual Issues), Ministry of Finance, New Delhi, Accessible via URL-<http://indiabudget.nic.in/>

#### **Additional Readings:**

1. C.P. Chandrasekhar and JBG Tilak (Ed),(2001) India's Socio-Economic Database; Surveys of Selected Areas, Tulika, New Delhi

2. B A Prakash (ed) (2012) The Indian Economy Since 1991: Economic Reforms and Performance, Pearson, New Delhi
3. Anne. O. Krueger. (ed) (2002), Economic Policy Reforms and Indian Economy, Oxford University Press, New Delhi.
4. Bhramananda P R and V. A Panchamukhi (Ed) (2001) Development Experience in Indian Economy, Interstate Perspectives, Bookwell, New Delhi
5. Banik Nilanjan (2015) The Indian Economy: A Macro Economic Perspective, Sage Publications, New Delhi 16
6. Balakrishnan Pulapre (ed) (2012) Economic Reforms and Growth in India, Orient Black Swan, New Delhi
7. Chakravarthi S (1996). Development Planning: The Indian Experience, Oxford University Press
8. M.M.Sury, Vibha Mathur (2013), Five Year Plans of India: First Five Year Plan(1951-52 to 1955-56 to Twelfth Five Year Plan(2012-13 to 2016-17), Volume I ,New Century Publication.
9. R K Mishra and K Trivikraman(ed)(2013) The Global Financial Crisis: Challenges and Opportunities, Academic Foundation, New Delhi
10. Reddy Rammohar C (2017) Demonetization and Black Money, Orient Blackswan, New Delhi
11. Joshi, V. and I.M.D. Little (1999) India : Macro Economics and Political Economy, 1964-1991, Oxford University Press, New Delhi.
12. Kaushik Basu (ed) (2004), India's Emerging Economy, Oxford University Press, New Delhi.
13. Bhattacharya, Aditya and Marzit, Sugata(Eds)(2004), Globalization and Developing Economies; Theory and Evidence, Manohar, New Delhi
14. Jha Raghendra (Ed)(2003); Indian Economic Reforms, Hampshire, U.K.
15. Chug, Ram L. and Uppal.J.S. (1985) Black Income in India. Tata McGraw Hill, New Delhi.
16. Aravind Panagariya(2004) India in the 1980s and 1990s: Triumph of Reforms, IMF Working Paper, W/P 04/43, Washington DC.
17. Jagadish Bhagwati, Aravind Panagariya(2012), Reforms and Economic Transformation in India, Oxford University Press.

18. Montek S Ahluwalia (2002), Economic Reforms in India Since 1991: Has gradualism worked? Journal of Economic perspective, Vol.16, No.3, PP6788



**M23ECO4DC**

**QUANTITATIVE METHODS FOR ECONOMICS I**

**CREDITS - 4**

**Course Objectives:**

1. To develop a strong understanding of differential and integral calculus.
2. To learn the application of optimization techniques to solve real-world economic problems.
3. To gain proficiency in the theory of statistical inference and estimation theory.
4. To critically understand the procedures of hypothesis testing.

**Course Outcomes:**

1. Demonstrate a comprehensive understanding of calculus principles and their applications in economic analysis.
2. Apply advanced optimization methods to make informed decisions.
3. Apply the statistical technique in economic decision making
4. Utilise statistical inference techniques to perform hypothesis testing, enabling rigorous analysis and interpretation of economic data.
5. Understand statistical inference, especially emphasizing topics required for the study of econometrics.
6. Develop proficiency in using software applications, to conduct data analysis and effectively communicate findings in economic research and decision-making processes.

**COURSE DETAILS**

**Block 1 Differential and Integral calculus**

**Unit 1**

Concept of Sets -Relation between Sets - Operation on Sets - Relations and Functions - Ordered Pairs - Different types of functions - Constant Linear, Quadratic, Cubic, Polynomial, Exponential and logarithmic functions - graphs - linear functions in Economics - limit of a function - continuity of a function - Derivative of a function - Rules of Differentiation

## **Unit 2**

Higher order derivatives - differentiation of logarithmic functions, exponential functions and implicit functions

## **Unit 3**

Application of Derivatives- rate of change- slope of a curve- Marginal concepts related to demand, supply, cost, revenue and production functions - Maxima and minima- Economic applications

## **Unit 4**

Rules of integration - Integration by Substitution – Integration by Parts – Applicability of integration in Economics - consumer's and producer's surplus

## **Block 2 Optimization**

### **Unit 1**

Concavity and Convexity - Optimisation of single and multi- variable functions

### **Unit 2**

Constrained optimisation with Lagrange Multiplier - Significance of Lagrange Multiplier

### **Unit 3**

Economic applications - Utility Maximisation - Cost Minimisation and Profit Maximisation

### **Unit 4**

Linear programming -Characteristics of Linear Programming Problem (LPP) - Formulation of LPP - Solution of LPP using Simplex method – Duality

## **Block 3 Estimation Theory**

### **Unit 1**

Statistical Inference - Concept of population, sample - Sampling distributions - Law of large numbers and Central Limit Theorem - Standard error

### **Unit 2**

Distributions of sample mean - Sample variance - chi square, Student's t and F distributions

### **Unit 3**

Small and large sample properties of Z, t, Chi Square and F- Estimations of populations parameters- point and interval estimation- Fisher's properties of estimators

#### **Unit 4**

Confidence interval for Mean and Proportion and variance- Methods of estimation-Methods of least squares, Method of maximum likelihood

### **Block 4 Hypothesis Testing**

#### **Unit 1**

Hypothesis - simple and composite hypothesis - Null and alternative hypothesis - Testing of hypothesis- Parametric and Non-parametric tests of Hypothesis

#### **Unit 2**

Type I and Type II error, Critical region- Level of significance, Power of a test- Test procedure

#### **Unit 3**

Test of significance in respect of Mean, Proportion, Variance and Correlation coefficient and their differences -Chi Square test of goodness of fit, and test for independence of attributes

#### **Unit 4**

Non parametric tests - sign test, Wilcoxon- Mann Whitney U Test, Signed rank test, Kruskal Wallis test, Wald-Wolfowitz test – Analysis of Variance (ANOVA)

#### **Essential Reading:**

1. Allen, R.G.D. (2008). Mathematical Analysis for Economists. New Delhi: AITBS Publishers.
2. Yamane, Taro. (2012). Mathematics for Economists: An Elementary Survey. New Delhi: Prentice Hall of India.
3. Chiang, A.C. (2008), Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
4. Dowling T. Edward (2000), Schaum's Outline of Introduction to Mathematical Economics, McGraw Hill, New York.
5. Anderson, D., D. Sweeney, and T. Williams (2013): "Statistics for Business and Economics", Cengage Learning: New Delhi.

6. Goon, A.M., Gupta, and Das Gupta B (2002): Fundamentals of Statistics (Vol I), World Press.
7. Gujarathi, D.& Sangeetha, N. (2007). Basic Econometrics (4thed) New Delhi: McGraw Hill

**Additional Readings:**

1. Archibald, G.C and Lipsey, R.G (1984), Introduction to mathematical Treatment of economics, Wiedenfeld Nicholson, London.
2. Baumol, W.J. (2003), Economic Theory and Operations Analysis, Prentice Hall, Englewood Cliffs, New Jersey.
3. Dowling, E.T. (2007), Introduction to mathematical Economics, Schaum's Outline Series, McGraw Hill.
4. Hadley, G (1969), Linear Programming, Addison Wesley Publishing Co., Massachusetts. Henderson,
5. J.M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
6. Michael Hoy and L. John (2004), Mathematics for Economics, PHI, New Delhi
7. Prasad (2005), Mathematical Method of Input Output Analysis, Mahamaya Publishing, New Delhi
8. Taro Yamane (2001) Mathematics for Economists: An Elementary Survey: Prentice Hall of India Pvt. Ltd., New Delhi
9. Yan (1969), Introduction to Input-Output Economics, Holt Rinehart and Winsturn, Inc.

## **ABILITY ENHANCEMENT COMPULSORY COURSE - DISCIPLINE SPECIFIC**

### **M23ECO1AC (DS)**

#### **SOFTWARE PACKAGES FOR ECONOMIC ANALYSIS (SPREADSHEET)**

#### **CREDITS - 2**

##### **Course Objectives:**

1. To enable learners to develop a high level of proficiency in utilising spreadsheet application.
2. To provide learners with essential skills and techniques for data entry, manipulation, and visualisation in Excel.
3. To equip learners with the knowledge and abilities to perform descriptive analysis, inferential analysis, and regression analysis using Excel.
4. To equip learners with practical application of statistical concepts.

##### **Course Outcome:**

1. Gain proficiency in utilising Excel for data analysis tasks.
2. Interpret and summarize data effectively through descriptive analysis using Excel.
3. Apply inferential analysis techniques and hypothesis testing using Excel.
4. Construct and interpret regression models to analyze variable relationships using Excel.

##### **Course Details**

###### **Block 1: Excel Basics and Data Manipulation**

###### **Unit 1**

Overview of Excel interface and features - Understanding workbooks, worksheets, and cells - Navigating and selecting data in Excel - Entering data and formulas in cells - Formatting cells, rows, and columns - Using basic formatting options (font, alignment, borders)

###### **Unit 2**

Sorting data in Excel - Filtering and advanced filtering - Using data validation to control input - Understanding basic formulas and operators - Working with built-in functions (SUM, AVERAGE, COUNT, IF, etc.) - Using absolute and relative cell references

###### **Unit 3**

Using conditional formatting for data visualization - Creating and modifying charts - Introducing pivot tables and pivot charts

## **Block 2: Descriptive Analysis, Inferential Analysis, and Regression**

### **Unit 1**

Generating descriptive statistics using Excel functions - Creating advanced charts and graphs - Using data analysis tools (histograms, scatter plots, etc.) - Applying formatting options to enhance visual representation

### **Unit 2**

Introduction to hypothesis testing - Conducting t-tests for means comparison - Performing chi-square tests for categorical data - Building regression models in Excel - Analyzing regression results and interpreting coefficients

### **Unit 3**

Introduction to optimization problems - Using Solver tool for goal-seeking and optimization - Applying Solver to real-world scenarios - Using advanced functions (VLOOKUP, INDEX-MATCH, etc.) - Incorporating logical functions (IF, AND, OR) in analysis - Exploring array formulas and dynamic arrays

### **Essential Readings**

1. Frye, C. (2019). Microsoft Excel 2019 Step by Step. Microsoft Press.
2. Middleton, M. R. (2000). Data Analysis Using Microsoft Excel. Duxbury.
3. Etheridge, D. (2010). Excel Data Analysis: Your Visual Blueprint for Analyzing Data, Charts, and PivotTables. Wiley.
4. McFedries, P. (2022). Excel Data Analysis For Dummies. John Wiley & Sons.
5. Foreman, J. W. (2013). Data Smart: Using Data Science to Transform Information into Insight. Wiley.

### **Additional Readings**

1. Albright, S. C., & Winston, W. L. (2014). Data Analysis and Decision Making. Cengage Learning.
2. Alexander, M. (2016). Excel Power Pivot & Power Query For Dummies.
3. Berk, K. N., & Carey, P. M. (2003). Data Analysis with Microsoft Excel: Updated for Office 365. Duxbury Press.
4. Harvey, G. (2019). Excel 2019 All-in-One For Dummies.
5. <https://www.microsoft.com/en-us/microsoft-365/excel>
6. <https://www.excel-easy.com/>
7. ExcellsFun: <https://www.youtube.com/user/ExcellsFun>
8. MyExcelOnline: <https://www.youtube.com/user/MyExcelOnline>
9. Excel Campus: <https://www.youtube.com/user/ExcelCampus>
10. Excel on Fire: <https://www.youtube.com/c/ExcelonFire>
11. <https://exceljet.net/>

# Semester - II

## **M23ECO5DC**

### **MICROECONOMICS II**

**CREDITS - 4**

#### **Course Objectives:**

1. To understand the efficiency condition of competitive equilibrium and its welfare implications
2. Critically understand the fundamental theorems of Welfare economics.
3. Understand the social welfare function and Pareto criteria.
4. To familiarise with the theories of distribution
5. To acquaint the students with the externalities associated with public goods.
6. Analyse decision making of consumer under risk and uncertainty with special emphasis on insurance choice and provide tools for measuring risk and risk aversion.
7. Examine the issues of moral hazard and adverse selection arising from asymmetric information in the real world and how it leads to market failure.
8. Understand how externalities lead to market failure and the issue of under provisioning of public goods

#### **Course Outcomes:**

1. Enable learner to apply microeconomic principles in areas of welfare, exchange, distribution
2. To get an understanding on the difference between general and partial equilibrium
3. Help to identify the various criteria followed to attain maximum welfare
4. To understand the problems associated with asymmetric information and equip learners to take decision in such situations

### **COURSE DETAILS**

#### **BLOCK 1 Theories of Distribution**

##### **Unit-1**



Micro theories of Distribution - Marginal Productivity theory - Euler's theorem and Adding up problem.

### **Unit 2**

Wage - Wage under Perfect and Imperfect Competition

### **Unit 3**

Ricardian theory of Rent - Quasi-rent

### **Unit 4**

Theories of interest - Classical - Neo-Classical - Keynesian

### **Unit 5**

Dynamic theory of Profit - Schumpeter's Theory of Profits – Uncertainty theory of Risk Profits

### **Unit-6**

Macro theories of Distribution - Marxian theory of distribution - Kaleckian and Kaldor's theories

## **BLOCK 2 General Equilibrium and Welfare Economics**

### **Unit-1**

Walrasian system - Graphical treatment of general equilibrium  $2 \times 2 \times 2$  model

### **Unit-2**

Welfare theories- A C Pigou, The Pareto - Optimality, Kaldor-Hicks, Bergson Samuelson, Scitovsky Double Criteria - Welfare Maximization and Perfect Competition - Arrow and Debreu Social Welfare function -Theory of second best

### **Unit-3**

Arrow's impossibility theorem -Sen's Capability Theory - equity- efficiency trade off

## **BLOCK-3 Externalities and Public Goods**

### **Unit-1**

Externalities - Negative and Positive externalities in consumption and production

### **Unit-2**

Market failure - Coase theorem - Common property resources - Tragedy of commons

### **Unit - 3**

Public goods - market failure - Free rider problem - Pareto Efficiency - Lindahl pricing

## **BLOCK- 4 Economics of Uncertainty**

### **Unit-1**

Individual behaviour towards risk - measure of risk and risk aversion

### **Unit-2**

Economics of insurance - risk pooling and risk spreading

### **Unit-3**

The economics of search - Market with imperfect asymmetric information search - Uncertainty and the market for Lemons - Akerlof's analysis

### **Unit-4**

Moral Hazards - The principal - Agent problems

### **Essential readings:**

1. Salvatore, Dominick (2009), Principles of Microeconomics
2. Koutsiyiannis, A (2013), Modern Microeconomics, Macmillan Press, London
3. Pindyck, Robert.S, Rubinfeld, Daniel, L, Mehta, Premlal, L (6th edition), Micro Economics
4. Varian H.R (2010), Intermediate Micro Economics: A Modern Approach, East– West Press Edition 10. Snyder, Christopher & Nicholson, Walter (2012), Microeconomic Theory-Basic Principles and Extensions, Cengage learning

### **Additional Readings:**

1. Mankiw, Gregory.N (2012), Principles of Microeconomics, 6th Edn, Cengage Learning
2. Krugman, Paul & Wells, Robin (2005), Micro Economics', Worth Publishers, New York
3. Mandal, RK (2007), Micro Economic Theory, Atlantic Publishers (P) Ltd

4. Serrano, Roberto, Feldman, Allan, M (2013), A short course in intermediate micro economics with Calculus, Cambridge University Press
5. Mandal, RK (2007), Micro Economic Theory, Atlantic Publishers (P) Ltd

## **M23ECO6DC**

### **MACROECONOMICS II**

**CREDITS - 4**

#### **Course Objectives:**

1. To provide a rigorous framework for understanding macroeconomics
2. To give a deep vision on macroeconomic policies, National income Accounting, as well as recent developments in the field.
3. To introduce the student to the economics of Keynes and further to IS LM analytics.
4. Differentiate the perspectives of New Classical Economics from Real Business Cycle theories

#### **Course Outcomes:**

1. The learner will be able to analyse various macroeconomic policies
2. Enable the learner to calculate National Income
3. Get familiarised with the pattern of Business Cycle and examine its occurrence in real world
4. Get an understanding on recent macroeconomic developments

### **COURSE DETAILS**

#### **BLOCK 1 Macroeconomic Policy**

##### **Unit-1**

Macroeconomic policies - Target variable and instrument variable

##### **Unit-2**

Monetary policy – Rules versus discretion - The Taylor rule-Time inconsistency of policy- Monetary targeting and inflation targeting

##### **Unit-3**

Fiscal policy- Policy lags - Inside and outside lags- budget deficit

#### **BLOCK 2 National Income Accounting and Business Cycle**

### **Unit-1**

National Income – Difficulties in the measurement Phases of Business Cycles- Theories of Business cycle: Sun-Spot Theory; Hawtrey Theory of Business Cycles

### **Unit-2**

Business cycles models of Samuelson, Hicks, Kaldor

### **Unit-3**

Real Business Cycle theory –Kalecki’s Theory of Cycles

## **BLOCK 3 Frontier Theories and Concepts**

### **Unit-1**

Legacy of Keynesian Economics

### **Unit 2**

Keynesian Counter Revolution – Monetarist

### **Unit 3**

New Classical Macroeconomics views of Muth, Wallas, R. E. T. Sargent, and Lucas

## **Block 4 Post Modern Economic Discourse**

### **Unit-1**

Supply Side Economics - Wedge model - Laffer curve - The Rational Expectations Hypothesis – Continuous market clearing -The Lucas Supply Curve

### **Unit-2**

New Keynesian Economics - Imperfect Competition and Price Setting – Sticky Nominal Wages - Wage-Contract Theory -Sticky Price Model - Menu Costs and Demand Externality

### **Unit-3**

Implicit wage contract model- Efficiency wage theories - Insider-outsider model, Hysteresis and the NAIRU, Policy implications

### **Essential Readings:**

1. Mankiw, N. Gregory. "Macroeconomics fifth edition." (2013)
2. Richard T Froyen, Macro Economics; Theory and Policy, Macmillan Publishing Co., New York, 1990
3. Rosalind Levacic and Alexander Rebmann, Macro Economics: An Introduction to Keynesian-Neoclassical Controversies, The Macmillan Press Ltd, London
4. Snowdown B, H.R Vane and F. Wynarczyk, A Modern Guide to Macro Economics: An introduction to competing schools of thought

**Additional Readings:**

1. Ackley G, Macro Economics; Theory and Policy, Macmillan, New York, 1978
2. Andrew B. Paul and Ben S Bernanke, Macro Economics, Pearson Education, New Delhi
3. Culbertson J. M, Macro Economic Theory and Stabilisation Policy, Mc Graw Hill, Tokyo
4. Dasgupta, A. K. and Hagger, A. J, The Objectives of Macro Economic Policy, Macmillan, London, 1971
5. Denberg, Thomas. F, Macroeconomics: Concepts, Theories and Policies, McGraw-Hill, New York, 1985
6. Eugene Diulio, Theory and Problems of Macro Economics, Schaum's Outline Series, Mc Graw Hill Publishing Company, Singapore
7. Friedman, M, Studies in the Quantity Theory of Money, The University of Chicago Press, Chicago
8. Gordon R. and S.G. Harris, Macro Economics, Addison Wesley, Massachusetts
9. Keynes, J. M, The General Theory of Employment, Interest and Money, Macmillan, London, 1961
10. Piston, M. H, Theory of Macroeconomic Policy, Philip Allen, Oxford, 1974
11. Prachowney, Martin F. J, The Goals of Macroeconomic Policy, Routledge, London, 1994
12. Rosalind Levasic and Alexander Rebmann, Macro Economics: An Introduction to Keynesian-Neoclassical Controversies, The Macmillan Press Ltd, London
13. Rudiger Dornbusch, Stanley Fischer and Richard Startz, Macro Economics, Tata Mc Graw Hill Publishing Company Ltd, New Delhi, 1998
14. Salvatore, D, International Economics, Macmillan, New York, 1990
15. Shapiro, E, Macroeconomic Analysis, Galgotia Publications, New Delhi, 1994
16. Sodersten, B, International Economics, Macmillan, New York

## **M23ECO7DC**

### **ECONOMIC GROWTH AND DEVELOPMENT**

#### **CREDITS - 4**

#### **Course Objectives:**

1. To bring learners attention to development aspects of the world.
2. To understand the indicators and approaches to development
3. To get familiarised with the traditional theories of development
4. To be able to get introduced to theories explaining development experiences of LDCs
5. To understand the developmental issues in the economy and act on it.

#### **Course Outcomes:**

1. The learner will be able to familiarise with the basic concepts and approaches of development
2. Various theories of development explained enables the learners to connect it with real world situations
3. Enables the learner to understand the existence of duality in various field related to development
4. An understanding of growth and development experiences around the world depicts the reason for perpetuation of underdevelopment in some regions and development in other regions
5. Role of various aspects like population, capital, migration, institutions on the development is examined
6. Advancements to development theories are familiarized

#### **COURSE DETAILS:**

##### **Block 1: Economic Growth and Development**

##### **Unit 1**

Growth and Development - Multidimensional Poverty Index - Utilitarian - Social indicators - Sustainable development

## **Unit 2**

Inequalities in income distribution -Lorenz curve and Gini coefficient - Inverted U-hypothesis

## **Unit 3**

Institutions and economic development - Market - State - Civil Society - Behavioural development economics - Migration and development - Todaro Model

### **Block 2: Theories of Growth and Development**

#### **Unit 1**

Classical theory - Adam Smith, Ricardo, Malthus, Marx

#### **Unit 2**

Theory of Schumpeter - Harrod - Domar - Neo-Classical Model - Joan Robinson - Solow-Swan model - Convergence Hypothesis

#### **Unit 3**

Mahalanobis model - Rostow's Stage Theory - Technical progress function of Kaldor - - Endogenous theories of growth – A K Model

### **Block 3 Partial Theories of Growth and Development**

#### **Unit 1**

Structural Models - Lewis theory of development with unlimited supply of labour - Fei-Ranis theory

#### **Unit 2**

Balanced growth - Rosenstein Rodan, Nurkse, and Lewis - Unbalanced Growth

#### **Unit 3**

Low level equilibrium trap - Critical minimum effort thesis – dependency theories

### **Block 4 Structural Aspects of Growth and Development**

#### **Unit 1**

Macro Indicators of Development - Population - Dual role – Migration –capital - Technical progress



## **Unit 2**

The case of LDCs and deteriorating terms of trade – Singer – Prebisch views - Globalisation and Development

## **Unit 3**

Political Institutions and Development – Geographical settings for Development

## **Unit 4**

Neo-Marxist approach - Basic principles of Neoliberalism

### **Essential Readings:**

1. Thirlwall,A.P. 2006.Growth and Development :With Special Reference to Developing Economies. Macmillan.UK.
2. Todaro,M.P and Smith. 2014. Economic Development. Pearson Education, USA.
3. Ray, Debraj.1998. Development Economics. Princeton, New Jersey.

### **Additional Readings:**

1. Fukuda-Parr and Shiva Kumar (eds.).Readings in Human Development.OUP.Oxford.
2. Sen, Amartya.1999. Development as Freedom. OUP.Oxford.
3. UNDP.Human Development Reports.1991;1994; 1995;1997;2000;2010
4. World Development Report.2015.Mind, Society and Behaviour. World Bank.Washington.
5. Khan, Sharukh Rafi. 2014. A History of Development Economics Thought.:Challenges and Counter Challenges. Routledge.London.
6. Krugman, P. 1995. The fall and rise of development Economics. In Development, Geography and Economic Theory, Chapter 1. Cambridge: MIT Press.
7. Schuurman,F.J.(eds.). 2004. Beyond the Impasse: New Directions in Development Theory. Zed Books.London.
8. Stiglitz,J. 2002. Globalisation and its Discontents.Norton Co.USA. 13
9. Cooke,B. and Uma Kothari (eds.) . 2004. Participation: the New Tyranny? Zed Books.London.
10. Shorrocks, A. and Ralph Hoven (eds.).2004. Growth, Inequality and Poverty. OUP.Oxford.
11. Piketty, T. (2014). Capital in the twenty-first century. Harvard University Press.y

**M23ECO8DC**

**INTERNATIONAL ECONOMICS**

**CREDITS - 4**

**Course Objectives:**

1. To get basic understanding on fundamental concepts of international trade
2. To get introduced to theories of trade
3. To develop knowledge on various concepts related to free trade and protectionism
4. To be aware of theories related to imposition of tariff
5. To know about Foreign Exchange Market and concepts related to it

**Course Outcomes:**

1. Learners are introduced to the basic concepts of international trade
2. Learners are familiarised with traditional theories of trade
3. Trade policies under tariff systems and non-tariff systems leads to acquiring practical knowledge on international trade
4. Learners are allowed to compare how factor availability is influenced under free trade and tariff conditions
5. The learner will get aware of different types of trade protections practising in the world
6. Introduced to the different forms of economic integration
7. Working of Foreign Exchange Market can be examined in the light of currency swap, arbitrage, exchange fluctuations

**COURSE DETAILS**

**Block 1 Foundations of International Trade**

**Unit 1**

General equilibrium in closed and open economies - Autarky - International Trade

Absolute and Comparative Advantage theories

## **Unit 2**

Opportunity Cost - Production possibility frontier -- Gains from exchange versus gains from specialization - Offer Curve - Types of Terms of Trade

## **Unit 3**

H-O-S Model – Factor Price Equalisation – Leontief Paradox – Factor Intensity Reversal - Rybczynski theorem

## **Block 2 Trade Policies I**

### **Unit 1**

Free Trade and Protectionism - Trade restriction – Tariff – and non-tariff barriers - Theory of Immiserising growth - Dutch disease

### **Unit 2**

Tariff - Stolper-Samuelson Theorem – Metzler Paradox-Lerner Symmetry theorem - Optimum Tariff - Effective Rate of Protection

### **Unit 3**

Forms of economic integration – FTA, Customs Union, Common Market, Economic Union, Trade Creating and Trade Diverting Customs Unions - Theory of Second Best

### **Unit 4**

Export Promotion vs Import Substitution - Effects of tariff – Partial and General Equilibrium Analysis

## **Block 3 Trade Policies II**

### **Unit 1**

Non-tariff barriers -Import Quotas - Differentiate between Import Quota and Import Tariff

### **Unit 2**

New Protectionism - Exchange control- Export subsidies- Countervailing tariff- Voluntary export restraints -Technical standards other regulations

### **Unit 3**

Dumping- Persistent, Predatory, Sporadic Dumping - Anti-dumping duties - International Cartels - Infant Industry Argument

## **Block 4 Foreign Exchange Market and BOP**

### **Unit 1**

Foreign Exchange Market - Speculation, Hedging, and arbitrage - role of expectations, currency swaps, future and options

### **Unit 2**

BOP – Exchange Rate - Exchange rate overshooting - BOP disequilibrium – Adjustment mechanism – Automatic mechanism – Fixed and flexible Exchange Rate system

### **Unit 3**

Policy measures –Elasticity approach – J curve effect - Absorption approach – monetary approach and devaluation

### **Essential Readings:**

1. Salvatore, D (2008) - International Economics, (8th Edition). Wiley India, New Delhi
2. Krugman P R and Obsfeild M (2009) - International Economics- Theory and Policy, (8th Edition) Pearson, Dorling Kindersley (India) Pvt. Ltd, New Delhi
3. Soderston, B and Reed G.(1994) - International Economics, 3rd Edition, MacMillan Press Ltd. London
4. Robert C Feenstra (2016) “Advanced International Trade: Theory and Evidence”, Princeton University Press (2nd edition)

### **Additional Readings:**

1. Bhagwati and Srinivasan (1983), Lectures on international trade, The MIT Press.
2. Bhagwati, J. N. (1987), International trade: Selected readings, Second Edition, MIT Press, Cambridge, Massachusetts
3. Appleyard D. R and Field A J (2014) -International Economics (8th Edition) McGraw Hill, New Delhi
4. Caves, R. E., Johnson, H. G., & American Economic Association. (1968). Readings in international economics. Published for the Association by R.D. Irwin.

5. Grimwade Nigel (2001), *International Trade*, (Second Edition), Routledge, London
6. Grubel H G and Lloyd P J (1975), *Intra-industry Trade*, Macmillan, London.
7. Haberler G (1961), *A Survey of International Trade Theory*, International Finance Section, Department of Economics, Princeton University.

**ABILITY ENHANCEMENT COMPULSORY COURSE (INSTITUTION SPECIFIC)**

**M21UC01AC (IS)**

**FOUNDATIONAL SKILLS FOR RESEARCH AND WRITING**

**CREDITS - 2**

**Course Objectives**

- To introduce the learners to the fundamentals of research and writing
- To provide the learners insights into research, methods of reviewing literature and identifying research gaps
- To acquaint the learners with the different writing formats including synopsis, abstract, thesis, research papers etc.
- To give the learners an understanding of research ethics, plagiarism, publication procedures and benchmark for publication

**Course Outline:**

Block 1: Understanding Research

Block 2: Writing Formats

**Block 1: Understanding Research**

**Unit 1:** Distinguishing Research from Inquiry - Causative premises of inquiry - formal and informal inquiry - questions and answers.

**Unit 2:** Research - primary and secondary - research etymology - driving reasons and questions for organised research - significance and steps - design of research.

**Unit 3:** Bibliographic sources for research and annotation - locating sources for a bibliography.

**Unit 4:** Reviewing Literature - primary & secondary sources - convergence and divergence - identifying research gaps - establishing significance of research.

**Block 2: Writing Formats**

**Unit 1:** Synopsis - executive summary - abstract writing - conventions and practices

**Unit 2:** Citing and citation styles - managing references - different style sheets.

**Unit 3:** Research ethics - intellectual property rights - copyrights & plagiarism.

**Unit 4:** Publication procedures - benchmarks for publication - research gate & scopus.

## **References**

1. Ballenger, Bruce, P. (2012). *The Curious Researcher: A Guide to Writing Research Papers*. 7th edition. Boston, M.A.: Pearson.
2. Booth, Wayne, C., Gregory G. Colomb, Joseph M. Williams, Joseph Bizup and William T.Fitzgerald (2016). *The Craft of Research*. Chicago: The University of Chicago Press.
3. *The Chicago Manual of Style Online*. Chicago: The University of Chicago Press 2017.17th ed.
4. Fink, Arlene (2005). *Conducting research literature reviews: From the Internet to paper*. 2nd edition. Thousand Oaks, CA: Sage.
5. Lipson, Charles (2018) *Cite Right. A Quick Guide to Citation Styles—MLA, APA, Chicago, the Sciences, Professions and More*. Chicago: The University of Chicago Press.
6. Mavodza, Judith. (2016) *Citation Tracking in academic libraries: An Overview*. Oxford, UK:Chandos Publishing.
7. Reale, Micelle. (2019) *Inquiry and Research: A Relational Approach in the Classroom*. American Library Association.
8. Ridley, Diana. (2012). *The Literature Review: A Step- by- Step Guide for Students*. 2nd edition. Los Angeles, CA: Sage.
9. Snyder, Hannah (2019). Literature review as a research methodology: An overview and guidelines, *Journal of Business Research* volume 104, pp. 333-339 <https://doi.org/10.1016/j.busres.2019.07.039>

# Semester - III



**M23ECO9DC**

**PUBLIC FINANCE**

**CREDITS 4**

**Course Objectives:**

1. To explore different forms of taxation and government expenditure and public finance in the context of the Indian economy.
2. To understand various theories of public expenditure
3. To analyse the nature of Indian tax structure and the understanding of the form of GST adopted in India
4. To familiarise the theoretical and empirical dimensions of public goods and public choice, fiscal instruments.
5. To analyse the objectives and recommendations of finance commission of India

**Course Outcomes:**

1. Understand different forms of taxation and government expenditure and public finance.
2. Understand the centre-state financial relation existing in India
3. Analyse various theories of taxation and the structure of public expenditure
4. Assess the principles of fiscal federalism and budget documents

**COURSE DETAILS**

**BLOCK 1 Public goods and Externalities**

**Unit-1**

Role of Government in Market Economy - Characteristics of Public Goods - Pure and Impure Public Goods

**Unit-2**

Difference between Public and Private Finance – PPP model – Local Finance

### **Unit-3**

The Theory of Clubs: Buchanan Model-Tiebout Model, Common property Resources; Tragedy of the commons.

### **Unit-4**

Voting and Public Choice – Reasons for Public Choice- Public Choice under Direct Democracy unanimity rule –Wicksell approach

## **BLOCK 2 Public Revenue**

### **Unit-1**

Public Revenue – Sources of revenue-Tax and Non tax sources

### **Unit-2**

Principles of Taxation: Benefit and ability to pay approaches; Impact and Incidence of Taxation- Theory of optimal Taxation- Dead Weight Loss – Equity Vs Efficiency - Theory and measurement of dead weight losses- The Problem of Double Taxation.

### **Unit-3**

Theories of Shifting- Diffusion Theory, Concentration Theory, Demand and Supply Theory

### **Unit-4**

Distributional considerations in public finance- Fiscal and monetary policies -Comparative analysis- Balanced budget multiplier- Zero based budgeting

## **BLOCK 3 Public Expenditure and Debt**

### **Unit-1**

Structure and growth of public expenditure – role of public expenditure – criteria for public expenditure

### **Unit-2**

Theories of Public Expenditure: Pure Theories of Public Expenditure, Wagner, and Wiseman Peacock Hypothesis.

### **Unit-3**

Criteria of public Investment; Social cost- benefit analysis- Public Expenditure Management & Control.

#### **Unit-4**

Theories of Public debt: classical and Compensatory views; Sources of Public debt; Burden of Public Debt; Principles of Management and Repayment

### **BLOCK 4 Fiscal Federalism**

#### **Unit-1**

Centre-state financial relations in India-Vertical and horizontal imbalance in inter-governmental transfers in India

#### **Unit-2**

Finance Commission – Recommendations of Fifteenth Finance Commission - Challenges

#### **Unit-3**

Sources of revenue in the union, states and local bodies in India – Composition and Sources of public debt in India- VAT and GST in federal set-up

#### **Unit-4**

Fiscal imbalance: Revenue, Fiscal and Primary Deficits; Fiscal Responsibility and Budget Management Act- Budget Process

#### **Essential Readings:**

1. Musgrave, RA and Musgrave, PB (1989)- Public Finance in Theory and Practice, McGraw Hill, New York
2. Brown, Charles Victor, and Peter McLeod Jackson (1990) Public Sector Economics. Vol. 76. Oxford: Basil Blackwell
3. John Cullis and Philip Jones (2009), *Public Finance and Public Choice – Analytical Perspectives*, 3rd edition, Oxford University Press
4. Joseph E. Stiglitz (2000), *Economics of the Public Sector*, 3rd edition, W. W. Norton and Co.

#### **Additional Readings:**

1. Harvey, Rosen, and Ted Gayer. Public Finance (2013)- McGraw-Hill Higher Education,
2. Dalton, Hugh. Principles of Public Finance (2003) - Vol. 1. Psychology Press,
3. Boadway, R. W. (1979) - Public sector economics Winthrop, Cambridge, MA.
4. Due, John F and Friedlaender, Ann F (1973)- Government Finance: Economics of the Public Sector, Richard Irwin
5. Hyman, David N (1973), Economics of Government Activity, Holt, Rinchard and Winston Inc
6. Mundle, Sudipto, ed. Public Finance: Policy Issues for India (1997) Oxford University Press, USA,
7. Laffont, Jean-Jacques. Fundamentals of Public Economics (1988) -MIT Press Books
8. Auerbach, Alan J. The Theory of Excess Burden and Optimal Taxation-Handbook of Public Economics 1 (1985): 61-127
9. Atkinson, Anthony B., and Joseph E. Stiglitz (2015) - Lectures on Public Economics. Princeton University Press,
10. Alan T. Peacock, (1979) The Economic Analysis of Governments, and Related Themes, St Martin Press, New York.
11. Amaresh Bagchi, (2005) Readings in Public Finance, Oxford University Press, USA.
12. Jha, Raghendra (1998)-Modern Public Economics- Routledge, London.
13. Cullis, John, and Philip R. Jones (2009) - Public Finance and Public Choice: Analytical Perspectives- Oxford University Press.
14. Budget at Glance (latest)
15. Reports of the 15th Finance Commission 2020-21 and 2021-2026

## **M23EC10DC**

### **QUANTITATIVE METHODS FOR ECONOMICS II**

**CREDITS - 4**

#### **Course Objectives:**

1. To acquire the knowledge of matrices and determinants to use it in input-output models
2. To understand the tools of differential and integral calculus
3. To understand the basic statistical concepts as a foundation for economic analysis
4. To be aware of probability distribution and various theories related to the same

#### **Course Outcomes:**

1. Apply the tools of higher order and special matrices and determinants in Economics
2. Apply the basic statistical concepts and probability in economic analysis
3. Analyse the cause and effects relationships in Economics with the support of regression.
4. Understand economic applications of differential equations

### **COURSE DETAILS**

#### **Block 1 Linear Algebra and Matrix**

##### **Unit 1**

Matrix Operations - Inverse of 3x3 matrix, rank of a matrix, Solution of simultaneous equations by Cramer's rule and inverse method

##### **Unit 2**

Uses of matrices- Input- output models (static and dynamic, open and closed models)- Hawkin-Simon condition

##### **Unit 3**

Determinants and their properties, Evaluation of higher order Determinant- Laplace method, Hessian determinant

## **Block 2 Differential and Difference Equations**

### **Unit 1**

First order Differential equations -Definitions and concepts, general formula for Differential equations – Economic Applications-Differential equations for limited and unlimited growth

### **Unit 2**

Solution of first order difference equations – General formula for First order Linear Difference equations

### **Unit 3**

Applications of Difference Equations in Economics – Dynamic stability conditions

### **Unit 4**

Cobb-Web and Harrod model - lagged income determination model

## **Block 3 Statistics**

### **Unit 1**

Definition of Statistics - Statistics in Economics - Methods of collecting data – census and sampling – Merits and Demerits

### **Unit 2**

Measures of Central Tendency - Mean, Median, Mode - Measures of Dispersion - Range, Interquartile range, Standard Deviation – Variance

### **Unit 3**

Skewness and Kurtosis - measures of skewness and kurtosis - Lorenz curve and Gini coefficient

### **Unit 4**

Correlation – Karl Pearson, Rank Correlation – Regression

## **Block 4 Probability**

### **Unit 1**

Concept of Probability Distributions - Set theory- Permutations and Combinations, Definitions of Probability - classical, empirical and axiomatic approaches

## **Unit 2**

Addition and multiplication laws, conditional probability- Bay's theorem, Random variables- probability distribution- Mathematical expectation- moments- Two random variables, joint, Marginal and conditional probability functions, expectation of two random variables

## **Unit 3**

Discrete Probability Distributions, Binomial, Poisson, Uniform - simple applications

## **Unit 4**

Continuous probability distributions- Normal, Lognormal and Exponential Distributions (Concept only)

### **Essential Readings:**

1. Yamane, Taro. (2012). Mathematics for Economists: An Elementary Survey. New Delhi: Prentice Hall of India.
2. Chiang, A.C. (2008), Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
3. Anderson, D., D.Sweeney and T.Williams (2013): "Statistics for Business and Economics", Cengage Learning : New Delhi.
4. Goon, A.M. , Gupta and Das Gupta B (2002): Fundamentals of Statistics (Vol I), World Press.
5. Gujarathi , D.&Sangeetha, N. (2007). Basic Econometrics (4thed) New Delhi: McGraw Hill
6. Koutsoyianis, A. (1977). Theory of Econometrics (2nded). London .The Macmillian Press ltd

### **Additional Readings:**

1. Y.P. Agarwal: Statistical Methods: Concepts, Application and Computation, Sterling Publishers 1986
2. Sidney Siegal, N. John Castellan: Non parametric Statistics for Behaviour Sciences, Edition 2, 1988, Mc Graw-Hill
3. Tulsian, P.C and Vishal Pandey: Quantitative Techniques, Pearson Education, New Delhi
4. Taro Yamane, Statistics: An Introductory Analysis, Harper & Row, Edition 3, 1973
5. Hoel PG: Introduction to Mathematical Statistics, John Wiley & Sons, Edition 4, 1971
6. Gupta, S.P. (2014). Statistical Methods. New Delhi: Sulthan Chand and Sons.

7. Olive, David. (2014). Statistical Theory and Inference. Switzerland: Springer International Publishing.
8. Hooda R.P: Statistics for Business and Economics , Mac Millan, New Delhi
9. Adil H. Mohammed, (2003),Introductory Mathematical Economics, PHI, New Delhi.
10. Allen, R.G.D. (1976), Mathematical Economics, Macmillan, London.
11. Wiedenfeld Nicholson, London. Baumol, W.J. (2003), Economic Theory and Operations Analysis, Prentice Hall, Englewood Cliffs, New Jersey.
12. Dowling, E.T.(2007), Introduction to mathematical Economics, Schaum's Outline Series, McGraw Hill.
13. Edward T Dowling(2011): Introduction to Mathematical Economics, Third Edition, Schaum's Outlines, Tata Mc Grawhill Publishing Co. Ltd, New Delhi.
14. Sreenath Baruah(2012): Basic Mathematics and its applications in Economics, Macmillan India Ltd.
15. Joseph K.X(2006), Quantitative Techniques, CUCCS Ltd, Calicut University.



## **DISCIPLINE SPECIFIC ELECTIVES**

**M23EC01DE**

### **HISTORY OF ECONOMIC THOUGHT**

#### **Course Objectives:**

1. To give a detailed account on the development of economic thought in a global perspective
2. To have a good understanding on various traditions and schools of economics, which influenced the shaping of present world in its current state

#### **Course outcomes:**

1. Examine the development of economics in ancient societies including Egypt, China, India etc
2. Understand the evolution of societal structures, including feudalism and capitalism, and the historical framework of the medieval world.
3. Analyse the Marxian, Marginalist and Keynesian ideas that shape the societies and economies.
4. Compare conservative as well as heterodox schools of thought-and enable students to find alternative solutions to societal problems.

### **COURSE DETAILS**

#### **BLOCK 1 Early Economic thoughts**

##### **Unit-1**

Why Study History of Economic Thought? A Very Brief Introduction to Epistemology, Methodology and the Philosophy of Science

##### **Unit-2**

Economic Thought in Ancient Civilizations: Egypt, China, India, Greece, the Hebrews and the Bible, Rome

##### **Unit-3**

Early Christianity and Economic Thought – The Middle Ages: Islamic Contributions – Aquinas and the Scholastics

##### **Unit-4**

Mercantilism and Cameralism – The Natural Law-Natural Rights Tradition - Cantillon, Turgot and the Physiocrats

## **BLOCK 2 Classical and Keynesian Thoughts**

### **Unit-1**

Scottish Enlightenment - Origin of Political Economy – Influence of Newton on Adam Smith

### **Unit-2**

Adam Smith – British Classical School (Ricardo, Malthus, Bentham and Mill)

### **Unit-3**

British Anti- Ricardians – The French Liberal School: from Say to Molinari

### **Unit-4**

The Banking School-Currency School Debate – Connecting the Economic History of Medieval Indian Society

## **BLOCK 3 Marx and Marginalism**

### **Unit-1**

The Origins of “the Dismal Science” – Karl Marx – Pre-Marginalism (French, German, and Italian contributions) - The Marginal Revolution: From Aggregate Macro Economic Issues to Micro Analytical Issues – Response to Marxian Economic Thought – Early Contributions of Nassau Senior – Foundations of Marginalism

### **Unit-2**

Jevons, Menger, and Walras – Marginalist Controversy – Marginal Pricing versus Full Cost Pricing

### **Unit-3**

Alfred Marshall and Neo-Classicalism – Capital Theory – Wicksell, Fisher and the Development of the Quantity Theory

### **Unit-4**

Mises and Hayek: On Socialism and Business Cycles – Keynes and the “Keynesian Revolution”

## **BLOCK 4 New Schools of Thought**

### **Unit-1**

Friedman and the New Chicago School – Public Choice and Constitutional Economics

### **Unit-2**

Further Developments in Macroeconomics – Competition and Knowledge: Perfect, Imperfect and Rivalrous –

### Unit-3

The Rise of Mathematical Economics and Econometrics – Development of Heterodox Economics

### Unit-4

Views of Gandhian Economics, Institutional Economics, Feminist Economics, Post Keynesian and Marxists Economics

### Essential Readings:

1. Paganelli, Maria Pia, Adam Smith and the Origins of Political Economy (February 2019). *Social Philosophy & Policy*, Forthcoming, Available at SSRN: <https://ssrn.com/abstract=3356022> or <http://dx.doi.org/10.2139/ssrn.3356022>
2. Montes, Leonidas, Newton's Real Influence on Adam Smith and its Context (July 2008). *Cambridge Journal of Economics*, Vol. 32, Issue 4, pp. 555-576, 2008, Available at SSRN: <https://ssrn.com/abstract=1155277> or <http://dx.doi.org/10.1093/cje/bem056>
3. *The Cambridge Companion to the Scottish Enlightenment* (2003), Cambridge University Press
4. Pollis, A., & Koslin, B. L. (1962). On the Scientific Foundations of Marginalism. *The American Journal of Economics and Sociology*, 21(2), 113–130. <http://www.jstor.org/stable/3484427>
5. Lawson, T. (2013). What is this “school” called neoclassical economics? *Cambridge Journal of Economics*, 37(5), 947–983. <http://www.jstor.org/stable/23601776>
6. Lee, F. S. (1984). The Marginalist Controversy and the Demise of Full Cost Pricing. *Journal of Economic Issues*, 18(4), 1107–1132. <http://www.jstor.org/stable/4225508>
7. Ahmad, “Islam and Markets,” found at [http://www.acton.org/publicat/randl/print\\_article.php?id=193](http://www.acton.org/publicat/randl/print_article.php?id=193)
8. Aristotle, “Politics” & “Nicomachean Ethics” (Reader)
9. Backhaus, Roger E (2004) *The Ordinary Business of Life: A History of Economics from Ancient World to the Twenty First Century*, Princeton University Press:
10. Princeton Bastiat, “A Petition,” found at <http://www.econlib.org/library/Bastiat/basSoph3.html#S.1,%20Ch.7,%20A%20Petition> Bastiat, “What is Seen and What is Not Seen,” found at <http://www.econlib.org/library/Bastiat/BasEss1.html>
11. Blaug, Mark, (1997) *Economic Theory in Retrospect*, Cambridge University Press: Cambridge Bohm-Bawerk, “Karl Marx and the Close of His System,” found at <http://www.marxists.org/subject/economy/authors/bohm/index.htm>
12. Bohm-Bawerk, “The Positive Theory of Capital” (Reader)
13. Böhm-Bawerk, Eugen, *Capital and Interest*, 3 vols., 1884-1889.

### Additional Readings:

1. Buchanan, James M., and Tullock, Gordon, *The Calculus of Consent: Logical Foundations of Constitutional Democracy*, 1962.

2. Clark, JB “The Origin of Interest,” found at <http://socserv2.mcmaster.ca/%7Eecon/ugcm/3113/clarkjb/clarkjb003.html>
3. Clayton, “Cicero (106-43 B.C.),” found at <http://www.utm.edu/research/iep/c/cicero.htm#On%20the%20Laws>
4. Dasgupta, Ajit K (1993) *A History of Indian Economic Thought*, Routledge:
5. London De Mariana, “A Treatise on the Alteration of Money, “ found at [http://www.acton.org/publicat/m\\_and\\_m/2002\\_fall/mariana/](http://www.acton.org/publicat/m_and_m/2002_fall/mariana/)
6. De Soto, “Juan de Mariana: The Influence of the Spanish Scholastics,” found at <http://www.mises.org/content/juandemariana.asp>
7. Dutt, R C *The Economic History of India*, 2 Volumes
8. El-Ashker, Ahmed Abdel-Fattah and Rodney Wilson ( 2006) *Islamic Economics: A Short History*, Brill Publishing
9. Essid, Yassine (1995) *A Critique of the Origins of Islamic Economic Thought*, Brill Publishing Friedman, Milton, and Schwartz, Anna, *A Monetary History of the United States, 1867-1960*, 1963.
10. Ghazanfar and Islahi, “Economic Thought of an Arab Scholastic: Abu Hamid al-Ghazali (AH450-505/1058-1111AD), in *Medieval Islamic Economic Thought*
11. Habib, Irfan (2001) *The Economic History of Medieval India: A Survey*. Tulika Books
12. Habib, Irfan (2004) *The Agrarian System of Mughal India*, Oxford University Press  
*Habib, Irfan (2008) Medieval India: The Study of a Civilization*. National Book Trust
13. Ghazanfar and Islahi, “Economic Thought of an Arab Scholastic: Abu Hamid al-Ghazali (AH450-505/1058-1111AD), in *Medieval Islamic Economic Thought*
13. Habib, Irfan (2001) *The Economic History of Medieval India: A Survey*. Tulika Books
14. Habib, Irfan (2004) *The Agrarian System of Mughal India*, Oxford University Press  
*Habib, Irfan (2008) Medieval India: The Study of a Civilization*. National Book Trust

## **M23EC02DE**

### **AGRICULTURAL ECONOMICS**

#### **Course Objectives:**

1. To provide basic understanding of agriculture from an economic angle.
2. To examine the interdependence of agriculture with development, other sectors of the economy
3. To familiarise with the price policies in agriculture
4. To analyse the effect of globalisation in Indian agriculture

#### **Course Outcomes:**

1. Understand the concepts of agricultural economics, different farm systems, and land use pattern
2. Analyse management of agricultural activities, prices of products performance of the agriculture sector in the country
3. Assess the extent of interdependence of agricultural sector with other sectors and overall development of the country
4. Analyse the obstacles, challenges, and dilemmas in the Indian agriculture

### **COURSE DETAILS**

#### **Block 1 Introduction to Agricultural Economics**

##### **Unit 1**

Nature and scope of agricultural and rural economics - Traditional agriculture and its modernization - organic farming - Role of agriculture in economic development - interdependence between agriculture and industry

##### **Unit 2**

Farming System – Types – Subsistence, Industrial, Intensive and Extensive, Commercial, Plantation, Mixed Farming – Organic Farming – Zero Budget Natural Farming – The One-Straw Revolution

### **Unit 3**

Land Use Pattern in India – Land Size and Productivity - Principles of land utilization – land distribution – structure and trends – land tenures – Big Farmers and Small Farmers

## **Block 2 Production and Management in Agriculture**

### **Unit 1**

Production Function – Relation between Factors and Products, products and products, factors and factors – efficient use of resources - labour absorption and gender issues in agricultural services

### **Unit 2**

Supply response models – Cobweb production model - Nerlove model

### **Unit 3**

Farm management – principles, need, relevance - Principles of factor substitution - Cost principles - opportunity cost - comparative advantage - Limitations of farm management

## **Block 3 Agricultural Finance, Pricing and Marketing**

### **Unit 1**

Sources of rural credit – NABARD - Agricultural credit - challenges, opportunities and strategies

### **Unit 2**

Behaviour of agricultural prices –Demand and supply of agricultural products –Supply response in Agriculture

### **Unit 3**

Agricultural marketing system in India - current scenario, problems, measures - Institutional set up - support systems - Regulated Markets – Co-operative markets.

## **Block 4 Issues in Agriculture and Agricultural Policies**

### **Unit 1**

Agriculture and environment - Rural indebtedness - causes, effects countermeasures - infrastructural constraints in agriculture – credit problems

### **Unit 2**

Climate Issues – Loss of Biodiversity – Land Degradation – Farmers Distress – Adaptive Agricultural Practices

### **Unit 3**

National Ware Housing Facility – Krishi Udan – Kisan Rail - PM Kisan – Soil Health Card – KISAN Card

#### **Essential Readings:**

1. Hanumantha Rao C.H., (1994): Agricultural Growth, Rural Poverty and Environmental Degradation, Oxford University press, New Delhi.
2. Soni.R.N. (2004),. Leading Issues in Agricultural Economics, Vishal Publishing Co, Jalandhar.
3. Dandekar, V.M, (1994), Indian Economy 1947-92, Vol.I, Agriculture, Sage Publication, New Delhi.
4. Dantwala, M.L. et.al (1991), Indian Agricultural Development since Independence, Oxford & IBH, New Delhi.
5. Das Gupta, (1977): The New Agrarian Technology and India, Macmillan, New Delhi.
6. Various Economic Surveys, Govt. of India

#### **Additional Readings:**

1. Earl.O.Heady, (1952): Economics of Agricultural Production and Resource use; Prentice Hall, New York.
2. HansraParumal and Chandrakarn - Modernization of Indian Agriculture in 21st century challenges, opportunity and strategies, Concept Publication Co.New Delhi.
3. Bharadwaj K, (1974): Production conditions in Indian Agriculture-A study based Farm Management, Cambridge University Press
4. Bilgrami, SAI: (1996). Agricultural Economics, Himalaya Publishing House, Delhi.
5. Soni.R.N. (2004) Leading Issues in agricultural Economics, Vishal Publishing Co. Jalandhar.
6. Sadhu.A.N and Amarjith Singh, (IS )1). Fundamentals of Agricultural Economics, Himalaya Publishing House, Bombay.
7. E.D-Heady (1961), Economics of Agricultural production and Resource use. Prentice Hall.

8. Norton and Allwinding - The Introduction to Economic and Agricultural Development  
MacGraw Hill Co. Publication. New Delhi.
9. Ommen M.A, (1974), Land Reforms and Socio-Economic Change in Kerala, Christian  
Institute for the Study of Religion and society, Bangalore.
10. Joshi P.C., (1975), Land Reforms in India:Trends and Consequences, Allied Publishers,  
Delhi.
11. Prasead C.S,(2006), Sixty Years of Indian Agriculture 1947-2007, New Century  
Publications, Delhi.
12. S.S.Acharya and N. Argwall (1998), Agricultural Marketing in India.
13. Tyagi.D.S. (1974). Farmers Responses to Agricultural Prices in India, A Study in  
decision making. New Delhi, Heritage Publishers.
14. Khusro. AM (1968), Readings in Agricultural Economics, Bombay, Allied.
15. Sidhu D.S. (1990), Some Aspects of Agricultural Marketing and Pricing Policies India,  
UAE, Oct- December
16. K Subbaran and D.E.Janvry, (1985), Agricultural price policy and Income Distribution  
in India.OUP.
17. S.Subba Reddy ,P.RaghuRam,T.V.NeelakandaSastry and I.Bhavani Devi  
(2004)Agricultural Economics ,Oxford and IBH,Newdelhi
18. A.S.Kahlon and D.S.Tyagi. Agricultural pace policy on India, Hentage Publishers.
19. Rath, N.K.(1985). "Prices, costs of Production and Terms of Trade of Indian  
Agriculture, IJAE, Oct-Dec



**M23EC03DE**

**INTERNATIONAL FINANCE**

**CREDITS - 4**

**Course Objectives:**

1. To explore the theories and frameworks that underpin international finance.
2. To analyze the factors influencing exchange rates and their implications for international financial markets.
3. To examine the impact of trade policies on domestic industries, employment, and economic growth
4. To assess the involvement of international institutions in supporting economic development

**Course Outcomes:**

1. Understand the basis of international finance
2. Evaluate the global trade policy and examine its impact on the domestic trade environment
3. Appraise the volatility in foreign exchange and analyse its impact on multilateral trade relations
4. Identify the role of various international institutions in the economic development of India
5. Analyse various international trade theories' relevance and feasibility in the present context

**COURSE DETAILS**

**Block 1 Introduction to International Finance**

**Unit 1**

International Finance - Need and importance - Difference between international trade and international finance- Benefit of studying international finance

## **Unit 2**

Risk of International Finance -

## **Unit 3**

Investment and borrowing with transaction costs - International dimension of cash management, portfolio investment international capital asset pricing - capital budgeting for foreign direct investment

## **Block 2 International Financial Markets: Segments and Instruments**

### **Unit 1**

Foreign Exchange Market - International Bond Market - International Equity Market - International Money Market - International Credit Market

### **Unit 2**

International Bonds-Foreign bonds & Euro bonds - global bonds - Floating rate notes, convertible bonds, and cocktail bonds - Short term and medium term instruments- Euro notes, Euro Commercial papers and Medium term Euro notes

### **Unit 3**

Global capital market- International Reserves–Euro Currency Markets–GDRs– ADRs–FIIs– FDIs

## **Block 3 International Monetary Systems**

### **Unit 1**

International macroeconomic policy under gold standard - The Bretton Woods system and IMF

### **Unit 2**

GATT - WTO - Concept of Triffin Dilemma – Beggar Thy Neighbour Policy

### **Unit 3**

Theory of optimum currency areas - Currency unions – Customs Union - Policy coordination with floating exchange rates

### **Unit 4**

Financial Crisis and International Monetary System – Chronology of Economic Crisis in Emerging Markets – 2008-09 Global Financial Crisis and Great Recession - Other Current International Economic Problems

## **Block 4 International Financial Institutions and India**

### **Unit 1**

International Financial Institutions and functions – ADB, UNCTAD, IDA, AIIB

### **Unit 2**

New International Economic Order – International Debt Problem – Debt Relief Measures – North-South Dialogue

### **Unit 3**

International investment in India – India and External debt - Developments in India's trade - Role of international institutions in the economic development of India2

### **Essential Readings**

1. Dominick Salvatore, (2013, 11<sup>th</sup> Edition) International Economics, John Wiley & Sons
2. Paul R. Krugman, Maurice Obstfeld, and Marc Melitz (2018) “International Economics: Theory and Policy”, Pearson (11th edition) (or 10th edition).
3. Soderstein BO and Geffry Reed, (2006) International Economics, Palgrave, Mc Milan
4. Levi, M.D. *International Finance: The Markets and Financial Management of Multinational Business*, 3rdEdition, McGraw Hill International Editions, Finance Series, 1996

### **Additional Readings:**

1. Carbaugh, R J (2008) - International Economics, (11th Edition) Thomson South Western, New Delhi.
2. Kindleberger, C P -International Economics (1973) Routledge, London
3. Copeland, L (2014) “Exchange Rates and International Finance” Harlow: Prentice Hall, (6th edition)
4. Markusen, Melvin, Kaempfer and Maskus (1995), International Trade: Theory and Evidence, McGraw Hill
5. Davis, Donald, “Notes on Competitive Trade Theory”, Columbia University (Pages 1-16) <http://www.columbia.edu/~drd28/Text.pdf>
6. Robert C Feenstra (2016) “Advanced International Trade: Theory and Evidence”, Princeton University Press (2nd edition).

7. Appleyard D. R and Field A J (2014) -International Economics (8th Edition) McGraw Hill, New Delhi
8. Caves, Frankel and Jones (1996), World Trade and Payments: An Introduction
9. Bowen, Hollander and Viaene (1998), *Applied International Trade Analysis*
10. Leamer, E. E, Sources of International Comparative Advantage: Theory and Evidence, MIT Press, 1984
11. JohnWilkey& Sons. Gerber(2012) International Economics,5/e,Pearson
12. Grubel, H.G., Lloyd, P.J. (1975), Intra-Industry Trade: The Theory and Measurement of International Trade in Differentiated Products. NY
13. Bhagwati J.N. (1981), International Trade Selected reading, Cambridge University Press, London.
14. Jayati Ghosh and C.P.Chandrasekhar(2001) Crisis as Conquest: Learning from East Asia, Orient Logman
15. Kennen P.B (1994), International Economy,(3rd edn), Cambridge University Press, London.
16. Kindleberger and Lindert (1953 ), International Economics,(8th edn), R.D.Irwin, USA.
17. Markusen, J.R. (2002), Multinational Firms and the Theory of International Trade. Colorado.
18. Robert J Carbaugh(2009) International Economics, 12th/e.,South Western Cengage Learning, USA
19. Ruffin, R.J. (2003), Oligopoly and trade: what, how much, and for whom? Journal of International Economics 60, 315-335.

**M23EC04DE**

**ENVIRONMENTAL ECONOMICS**

**CREDITS - 4**

**Course Objectives:**

1. To provide an insight into the environmental issues and problems and also aids in framing policies to overcome it.
2. To analyse the economic assessment of development projects of policies and institutions which have a significant bearing on the environment
3. To manage common property effectively
4. To understand environmental problems by using economic theory

**Course outcome:**

1. Understand the concepts and scope of environmental economics
2. Conceptualize interpretations that flow from the various definitions offered on SD.
3. Apply the various methods of non-market valuation of the environment
4. Analyse the various environmental issues and challenges associated with it.

**COURSE DETAILS**

**BLOCK-1 Economy and environment**

**Unit-1**

Environment and Economy- Environmental Economics, Ecological Economics and Resource Economics- Interlinkages between the Economy and the Environment

**Unit-2**

Material Balance Approach- criteria of Natural Resource Use-Principles of uncertainty and irreversibility – Inter generational equity- intra generational equity

**Unit 3**

Environmental economics- Property rights in environment- Pollution rights - Collectively consumed goods and services- Spill over costs Sustainability- Bio-diversity-Ozone layer Environmental quality- Environmental accounts- Externalities

#### **Unit-4**

Global environment issues – climate change: positive and normative analysis of climate change- Economics of Global Warming and Climate Change

### **BLOCK 2 Sustainable Development**

#### **Unit-1**

Sustainable development – Indicators of sustainability; ENP/AENP (Environmentally Adjusted or Approximate Environmentally Adjusted National Product) and Green GNP Indicator

#### **Unit-2**

Theories of optimal use of exhaustible and renewable resources; Environment and development trade off - Environmental accounting and the measurement of Environmentally corrected GDP – Green GDP

#### **Unit-3**

Sustainable Development Goals - India - Kerala

#### **Unit 4**

World Summit on Sustainable Development – Global Environmental Issues - Global Warming, Bio Diversity Loss, Acid Rain, Deforestation, Environmental Pollution

### **BLOCK 3 Environmental Valuation**

#### **Unit-1**

Valuing the Environment: The Economic Concept of Value - Types of Value: Use- Value, Option Value and Non-use or Passive Use Values

#### **Unit-2**

Valuation methods-Method observed market behaviour, Hedonic property values -Household models (trave cost method and house hold health production function)

### **Unit-3**

Stated Preference Methods—Contingent Valuation – Cost-Benefit Analysis

## **BLOCK 4 Environmental management**

### **Unit-1**

Methods of Environment Protection - Emission taxes, tradable pollution permits, Pigouvian fee - Emission standards and Environmental Protection

### **Unit-2**

Environmental regulations and assessment in Indian context.

### **Unit-3**

Identify an environmental issue from your locality (eg:Water, Forest, Biodiversity, Climate change, etc.) and develop a plan outlining the different approaches that may be required to address this challenge.

### **Essential Readings:**

1. Hussen,A. M (1999), Principles of Environmental Economics , Routledge, London.
2. Kolstad.C.3. (1999), Environmental Economics, Oxford University Press. New Delhi.
3. Tietenberg T. (2004) (6th Edition) Environmental and Natural Resource Economics, Pearson. Education, Delhi.
4. Jonathan M. Harris and Brian Roach( 2017)Environmental and Natural resource Economics: A Contemporary Approach, 4th Edition, Routledge.

### **Additional Readings:**

1. Besman, P (Ed ) (1995). Health Sector Reform in Developing Countries: Making Health Development Sustainable, Eoston : Harvard Series on Population and International Health.
2. Blaug, M. (1972), Introduction to Economics of Education, Penguin, London.
3. Bromerly D.W.(Ed.) (1995). Handbook of Environmental Economics. Blackwell, London.
4. Cohn.E. and T.Geske (1989), Economics of Education, Pergamon Press, London.

5. Fishes.A.C. (1981), Resource and Environmental Economics. Cambridge University Press, Cambridge.
6. Hanley.N. J.F.Shogern and B.White (1997), Environmental Economics in Theory and Practice, Mcmillan.
7. Jeroen.C.J M. van den Bergh (1999), Handbook of Environmental and Resource Economics, Edward Elgar Publishing Ltd. U.K.
8. Klasman, IE (1965), The Economics of Health, Columbia University Press, New York.
9. Pearce,D.V and R.Turner (199), Economics of Natural Resource Use and Environment, John Hopkins, University Press, Battimore.
10. Perman R.M and J. McGilvary (1996), Natural Resource and Environmental Economics, Longmen, London.
11. Shankar,U (Ed.) (2001), Environmental Economics. Oxford University Press, New Delhi
12. Schultz. T. V (1971). Investment in Human Capital, Free Press, New York.



## **SKILL ENHANCEMENT COMPULSORY COURSE**

**M23EC01SC**

### **SECURITY ANALYSIS & PORTFOLIO MANAGEMENT**

**CREDITS - 2**

#### **Course Objective:**

1. To develop the necessary skills for Investment in Security Market
2. To understand the fundamental concepts, theories and opportunities of security market investments
3. To maximize the investment return through the process of Diversification.

#### **Course Outcomes:**

1. Recognise the risk –return relationship in market
2. Understand the importance of portfolio management and strategies to be followed
3. Aware of different Portfolio theories

#### **COURSE DETAILS**

##### **BLOCK 1: Investment and valuation**

##### **Unit 1**

Investment – definition – Nature and Characteristics – Investment process –Institutions and markets

##### **Unit 2**

Securities – money market instruments

##### **Unit 3**

Investment vs. Speculation - Risk-Return-Different types -Risk Measurement - Total Risk- Systematic Risk - Use of Beta, Variance – Computation of Risk and Return- Risk Premium – Expected Return - Risk Return Trade Off

##### **Unit 4**

Valuation of Securities – Security Analysis – Valuation, Fundamental analysis – Economy analysis- Industry Analysis – company analysis. Technical analysis

## **Block 2: Portfolio theories**

### **Unit 1**

Measurement of Expected Risk and Return of Portfolio- Alternative Measures of Risk

### **Unit 2**

Steps in Portfolio Building - Portfolio Theory -- portfolio analysis, portfolio selection - portfolio Revision- Portfolio Evaluation

### **Unit 3**

Theory and Measures - Markowitz Portfolio Theory, Sharpe's Single Index Model, Treynor 's ratio

### **Unit 4**

Passive Equity Portfolio Management Strategy Index - Portfolio Construction Techniques - Tracking Error

### **Essential Readings:**

1. Avadhani, V.A. (2008) *Security Analysis and Portfolio Management*. Himalaya Publishing House, Mumbai.
2. Bhalla, V.K. (2008). *Investment Management*. New Delhi: S.Chand Corporations,
3. Fisher, E.Donald and Ronald J.Jordan (2008), *Security Analysis and Portfolio Management*, New Delhi :PHI Learning
4. Goldman Sachs(2007) *Introducing GS Sustain*
5. Kevin, S.(2008) *Security Analysis and Portfolio Management*. New Delhi. PHILearning
6. Prasannachandra.(2008) *Investment Analysis and Portfolio Management*, TataMcGraw Hill, New Delhi

### **Additional Readings:**

1. <http://www.focusinvestor.com/Graham1.pdf>.

# Semester - IV

**M23EC11DC**

**ECONOMETRICS**

**CREDITS - 4**

**Course objective**

1. To create an understanding among the students on basic econometric methodology
2. To train the students in applying economic theories to real economic data by means of empirical models
3. To familiarise about time series data

**Course Outcome**

1. Understand the theoretical and applied econometrics
2. Apply economic theories to real-world data
3. Familiarise with various econometric tools

**COURSE DETAILS**

**BLOCK 1 Introduction to Econometrics**

Unit-1

Definition and scope of Econometrics — methodology of econometrics - Nature and sources of data for econometric analysis — contribution of econometric methods to the development of Economics — limitations of econometric methods

Unit-2

Sample Regression Function and Population Regression Function - Simple linear Regression Model – Assumptions - Regression through the origin-Functional forms of regression models, log-log, log-lin, lin-log and reciprocal models

Unit-3

Estimation through Ordinary Least Squares (OLS) Approach - Assumptions-Gauss-Markov Theorem-Goodness of the Fit-R- Estimation and Testing of Hypothesis-Standard Error

**BLOCK 2 Violation of the CLRM Assumptions**

Unit-1

Heteroscedasticity- Nature, Consequences, Tests, and Remedial Measures

Unit-2

Multicollinearity-Nature, consequences, detection and remedial measures

Unit-3

Autocorrelation-Nature, consequences, detection, and remedial measures

Unit-4

Model Specification and Errors - Consequences - Underfitting and Overfitting - Measurement Errors

### **BLOCK 3 Econometric Modelling**

Unit-1

The three variable model-OLS estimation of partial regression coefficients-Multiple coefficient of determination  $R^2$  and adjusted  $R^2$

Unit-2

Qualitative Explanatory Variables—Dummy Variable—Use of dummy variables- Regression on dummy variables - ANOVA models-ANCOVA models- Interpretation of Regression Results Dummy variable trap

Unit-3

Qualitative Response Models – LPM, Logit, Probit, Tobit

### **BLOCK 4 Time Series and Panel Data Econometrics**

Unit-1

Time Series Analysis – Stationarity, Non-Stationarity - Random Walk Models – Autocorrelations, Partial Autocorrelation Functions

Unit-2

Unit roots and Units roots tests; AR, MA, Integrated Process, ARMA, ARIMA modelling

Unit-3

Estimation of Panel data Regression Models – Fixed Effects Approach - Estimation of Panel data Regression Models – The Random Effects Approach – Fixed Effects (LSDV) versus Random Effects Model

**Essential Readings:**

1. Gujarathi , D.&Sangeetha, N. (2007). Basic Econometrics (4thed) New Delhi: McGraw Hill
2. Jeffrey M Wooldridge (2018). Introductory Econometrics. A Modern Approach, 7 th Edition, Thomson South Western
3. Koutsoyianis, A. (1977). Theory of Econometrics (2nded). London .The Macmillian Press ltd
4. Kothari, C. R. (2004). Research Methodology Methods & Techniques, New Age International Publishers, Delhi.
5. Gerald Guthrie(2012),Basic Research Methods, Sage, New Delhi.

**Additional Readings:**

1. Gujarati, Damodar & Dawn C Porter (2017): Basic Econometrics,5th Ed, McGraw Hill.
2. Stock James and Watson, Mark (2017): Introduction to Econometrics,3rd Ed, Pearson Education (Indian Edition).
3. J Johnston (1997): Econometric Methods,4th Ed, McGraw-Hill Higher Education.
4. Badi H. Baltagi (2011): Econometrics,3rd Ed, Springer.
5. Chandan Mukherjee, Howard White and Marc Wuyts (1998): Econometrics and Data Analysis for Developing Countries, Routledge New York.
6. Christopher Dougherty (2016): Introduction to Econometrics, Oxford University Press, Indian Edition.
7. G.S. Maddala and Kajal Lahiri (2012): Introduction to Econometrics, 4th Ed, John Wiley & Sons (Indian Edition).
8. Kmenta, Jan (1976), Elements of Econometrics, 2nd Ed, McMillian, New York.
9. Michael Bailey, Real Econometrics: The Right Tools to Answer Important Questions, Oxford University Press, 2016
10. Peter Kennedy (2008): A Guide to Econometrics, 6th Ed, Wiley-Blackwell.
11. Ramu Ramanathan (2002): Introductory Econometrics with Applications,3rd Ed, Thomson Learning Inc, Singapore.

12. Robert S. Pindyck and Daniel L. Rubinfeld, *Econometric Models and Economic Forecasts*, 4th Ed, McGraw-Hill Publishing Co.
13. Russell Davidson & James G. MacKinnon (2009): *Econometric Theory and Methods*, Oxford University Press.
14. Sankar Kumar Bhaumik (2015): *Principles of Econometrics: A Modern Approach Using EViews*, Oxford University Press (India)
15. Studenmund A. H (2017): *Using Econometrics: A Practical Guide*, 7th Ed, Pearson (India).
16. William H. Greene (2018): *Econometric Analysis*, 8th Pearson Education (India).

**M23EC12DC**

**KERALA ECONOMY**

**CREDITS – 4**

**Course Objective**

1. To get an idea about the state of the Kerala Economy during 1950s
2. To understand the Kerala Model of Development
3. To understand the issues and challenges in agriculture, Industry and service sector
4. To evaluate the genesis of financial crisis in Kerala
5. To analyse decentralised planning in Kerala

**Course Outcomes**

1. Understand the structural changes of the State
2. Understand the Kerala Model of Development
3. Aware of the performance of different sectors of the Kerala Economy
4. Understand the different challenges faced by the State
5. Analyse the financial status of the State

**COURSE DETAILS**

**BLOCK 1 Structural Changes of Kerala Economy**

**Unit 1**

Kerala Economy – Growth Trends from 1956 onwards – GSDP – Percapita – Inflation

**Unit 2**

Kerala Model of Development – Social Indicators – Human Development Index – Comparison with other Indian States

**Unit 3**

Revisiting Kerala Model –Lopsided Development - Human Development Issues – Unemployment, Poverty, Gender Gap - Nava Kerala Mission



## **BLOCK 2 Structural Performance of Kerala Economy**

### **Unit 1**

Agriculture Sector – Land reforms - Agrarian Crisis – Land use and Cropping Pattern -  
Globalisation and agriculture – Climate Change and agriculture

### **Unit 2**

Industry – IT sector – MSME - Sunrise Industries in Kerala – Bio-Tech – Development of  
Infrastructure Facilities

### **Unit 3**

Service Sector – Health, Education, Tourism – Importance of Service sector in the State

## **BLOCK 3 State Finance**

### **Unit 1**

Sources of Revenue and Expenditure of the State – Trends – Fiscal Deficit – Fiscal Crisis –  
Off Budget Borrowing - FRBM

### **Unit 2**

Centre-State Financial Trends – Role of Finance Commission – Fifteenth Finance Commission  
– Fiscal Federalism – GST and allocation of Taxes between Centre and States

### **Unit 3**

Decentralisation – Evaluation of Decentralisation – Issues of Fiscal Decentralisation – State  
Finance Commission – Fiscal Situation of Local Self Government Bodies

## **BLOCK 4 Contemporary Challenges and Responses of the State**

### **Unit 1**

Economic Challenges – Infrastructure – Energy – Renewable and Non-Renewable

### **Unit 2**

Human Development Challenges – Employment – Start-Up Mission – Knowledge Economy  
Mission – Migration – Reverse Migration – Brain Drain & Brain Gain – Role of NOTA

### **Unit 3**

Social Challenges – Status of Marginalised Sections – Gender – Kudumbashree- Gender Neutral Schemes of the Government — Poverty Mission

#### Unit 4

Environmental Challenges – Biodiversity Challenges – Disasters – Flood – Landslides – Adaptation and Mitigation Responses – DMP 2010 - Early Warning System – Maps – Local Self Government Disaster Management Plans

#### Essential Readings:

1. Franke, R. W., & Chasin, B. H. (1994). Kerala: Radical reform as development in an Indian state. Institute for Food and Development Policy, San Francisco.
2. Kannan, K. P. (2023). *Revisiting the Kerala 'Model' of Development: A Sixty-year Assessment of Successes and Failures*. The Indian Economic Journal, 71(1), 120-151. <https://doi.org/10.1177/00194662221145290>
3. B.A.Prakash (Ed.) (2004) *Kerala's Economic Development: Performance and Problems in the Post-Liberalisation period*. Sage Publications, New Delhi.
4. B. A. Prakash and Jerry Alwin(Ed.) (2023) *Kerala Economic Development*, Pearson
5. Government of Kerala Economic Review and Budget Documents (Annual)
6. United Nations Development Programme (UNDP) Reports on Kerala's Human Development
7. Kerala Perspective Plan 2030, Volume I to IV, Kerala State Planning Board
8. State Planning Board, *Kerala Economic Review* (Annual Issues).
9. Government of India, *Economic Survey (Annual Issues)*, Ministry of Finance, New Delhi, Accessible via URL-<http://indiabudget.nic.in/>
10. M. A.Oommen (Ed) (1999) *Rethinking Development: Kerala's Development Experience*.
11. Sunil Mani (Ed) (2020) *Kerala and the World Economy* , CDS, Thiruvananthapuram
12. Centre for Development Studies (CDS). (1975). *Poverty, unemployment and development policy: A case study of selected issues with reference to Kerala*. UN. Department of Economic and Social Affairs.
13. Rajasenan, D. and Gerard De Groot (ed) (2005), *Kerala Economy: Trajectories, Challenges and Implications*, CUSAT, Kochi.
14. Mathew Kurian and Raju John (Ed) (2014) *Kerala Economy and its Emerging Issues* National Book Stall, Thiruvananthapuram.
15. Asokan A, Mary Oommen and Priyesh C A (Ed) (2016) *Kerala Economy in Retrospect and Prospect*, Kerala Economic Association, Thiruvananthapuram
16. <https://sdma.kerala.gov.in/>
17. B.A.Prakash (Ed) 1999, *Kerala's Economic Development: Issues and Problems*, Sage Publications. New Delhi.
18. P.P.Pillai (1994) *Kerala Economy: Four Decades of Development*, John Mathai Foundation Trichur.
19. M.A.Oomen (1993), *Essays on Kerala's Economy*, Oxford and IBH.
20. K.C.Zachariah, K.P.Kannan and S.IrudayaRajan (Ed) (2002). *Kerala's Gulf Connection* C.D.S, Thiruvananthapuram

### **Additional Reading:**

1. Dreze and Sen(ed), India- Selected Regional Perspectives, Oxford
2. Govindan Parayil (ed) (2000), Kerala: the Development Experience, ZED Books, London.
3. Joseph Tharamangalam (2006), Kerala: The paradoxes of Public Action and development, Orient Longman, New Delhi.
4. Economic and Political Weekly (Special issues on Kerala), various years
5. Ramachandran, V.K., 'On Kerala's Development Achievements', in Jean Drèze, and Amartya Sen (eds), Indian Development: Selected Regional Perspectives (Oxford, 1997; online edn, Oxford Academic, 22 Sept. 2011), <https://doi.org/10.1093/acprof:oso/9780198292043.003.0004>
6. Directorate of Environment and Climate Change( 2022)
7. Kerala State Action Plan on Climate Change, 2023-2030,
8. Jerry Alwin(2014):Recent Trends in Kerala State Finances, Serials Publications, New Delhi
9. National council of Applied Economic Research (1962), Techno Economic Survey of Kerala, NCAER, New Delhi.
10. E.T.Mathew (1997), Employment and Unemployment in Kerala , Sage Publications, NewDelhi
11. K.K.George, 1993, Limits to Kerala Model of Development, C.D.S Thiruvananthapuram.
12. K.C. Zachariah ET Mathew and IrudayaRajan, (2003), Dynamics of Migration in Kerala,Orient Longman, New Delhi.
13. K Rajan(ed)(2009):Kerala Economy:Trends During the Post Reform Period ,Serials Publications, New Delhi.

## **DISCIPLINE ELECTIVE COURSES**

**M23EC05DE**

### **INDUSTRIAL ECONOMICS**

**CREDITS - 4**

#### **Course Objectives:**

1. To introduce the learners to the field of Industrial Organisation and prepare them to pursue research in this field.
2. To provide thorough knowledge on nature and scope of industrial organisation along with the conduct and performance of industries.
3. To understand India's industrial growth pattern
4. To identify various policies and performance of public sector undertakings.

#### **Course outcome:**

1. To identify the different forms of industrial organisation
2. To analyse various approaches and determinants of industrial location
3. To understand the industrial location pattern in India
4. To familiarise with the market conduct and performance

### **COURSE DETAILS**

#### **BLOCK 1 Basics of Industrial Economics**

##### **Unit-1**

Nature and scope of industrial economics- - concepts - plant, firm, cartel, MRTP company, industry Industrial structure - Role of Industrialisation in Economic Development - Factors for and against industrial development

##### **Unit-2**

Industrial organisation: Different forms of Industrial Organisation, Proprietorship, partnership, Joint Stock Companies, Holding Companies, and Industrial Co-Operative Organisations – Corporation – Public Sector Companies: departmental, govt. companies, joint-sector

### **Unit-3**

Theories of Industrial Growth – Dronis Theory – Pentrisis, Marris

### **Unit-4**

Industrial productivity – its importance, distinction between production and productivity, factors influencing industrial productivity

## **BLOCK 2 Industrial Location**

### **Unit-1**

Market Structure: Meaning of the market structure- product differentiations – its sources and its implications, entry conditions, economies of scale, market structure & innovation

### **Unit-2**

Industrial location - general determinants - approaches to Industrial Locational analysis-

### **Unit-3**

Theories of Industrial Location (Weber's Theory, August Losch and Sargent Florence's Theory) – Industrial Location Policy

### **Unit-4**

Industrial location pattern in India-Regional growth - measure of regional imbalance and backwardness- - SEZ

## **BLOCK 3 Pricing and Performance**

### **Unit-1**

Pricing Decisions: Pricing goals: maximisation of profit, sales, rate of return, sales, and market shares—Pricing policies: marginal cost and full-cost pricing-Pricing procedures: Penetrating, skimming, price discriminations and transfer pricing.

### **Unit-2**

Diversification and Vertical Integration, Merger – Definitions, Types & Motives, Implication for Public Policies

### **Unit-3**

Industrial efficiency –determinants efficiency levels - efficiency conditions - constrained output maximisation and cost minimisation

#### **Unit-4**

Investment decisions: – profile of the project, methods of project evaluation - the payback method, the average of accounting rate of return method, the net present value method, the internal rate of return method, ranking of projects

### **BLOCK 4 India's Industrial Policies and Performance**

#### **Unit-1**

Pattern of industrialization since independence-Industrial Policies (from 1948 to till now) – Trends in Industrial Growth after NEP-Public sector enterprises in India – Policy on Disinvestment-Privatisation – Missing Middle – Dualism in Indian Context

#### **Unit-2**

Industrial Finance -Sources of Industrial Finance - Private, Public and Co-operative Sector - Shares, Debentures, Bonds, Deposits, Loans ,Foreign Direct Investment and Foreign Institutional Investment

#### **Unit-3**

Industrial sickness- Exit policy- Role of BIFR – Role of MNCs in India.

#### **Unit-4**

Industrial Relations – Industry Disputes - Labour Reforms – Code on Wages - Industrial Relations Code - Social Security Code - Occupational Safety, Health and Working Conditions Code

#### **Essential readings**

1. R.R Barthwal (1985), *Industrial Economics*, Wiley Eastern Ltd., New Delhi,
2. Deepak Nayyar (1977), *Trade and Industrialisation*, OxfordUniversity Press, New Delhi,
3. Ahluvalia, I.J. (1986 ). *Industrial Growth in India* , Oxford University Press, New Delhi,

#### **Additional Readings:**

1. Stephen Martin(1993), *Advanced Industrial Economics*, Basic Blackwell

2. Dilip Mookherjee,( 1997) *Indian Industry Policies and Performances*, Oxford University
3. Deepak Nayyar(1994), *Industrial Growth and Stagnation*.Oxford University Press
4. Balakrishnan, P and Pushpangadan, K.( 1994) '*Total Factor Productivity Growth in Indian Manufacturing-A Fresh Outlook*', Working Paper No.259, CDS, Thiruvananthapuram,
5. Brahmananda, P.R. and Panchamukhi, V.R. (1987 )(Eds), '*The Development Process of the Indian Economy*', Himalaya Publishing House, Mumbai
6. Cherunilam, Francis, ,( 1994) '*Industrial Economics: Indian Perspective*' (3rd Edition), *Himalaya Publishing House, Mumbai*,
7. Deepak Nayyar,( 1994) *Industrial Growth and Stagnation*. Oxford University Press
8. Desai, B (1999), *Industrial economy of India*, Himalaya Publishing House, Mumbai
9. Kuchhal, S.C. ,( 1980) '*Industrial Economy of India*' (5th Edition), Chaitanya Publishing House, Allahabad
10. Mishra and Puri (2022): *Indian economy*, Himalaya publisher, Mumbai.
11. Renjana Seth, (2010 )*Industrial Economics*, Ane Books Pvt. Ltd, New Delhi ,
12. 13. Rogor Clarke, '*Industrial Economics*', Basil Blackwell, New York
13. Shy, Oz.,( 1995) i MIT Press,

## **M23EC06DE**

### **GENDER AND DEVELOPMENT**

#### **CREDITS - 4**

#### **Course Objectives:**

1. To understand various issues in the gendered analysis of development
2. To know the various approaches and theories related to gender and women development

#### **Course Outcomes:**

1. Understand the various concepts related to Gender
2. Analyse the linkages of women and various approaches of development
3. Understand the various theories related to gender
4. Identify the challenges to be inclusive under the analytical category of women and development.
5. Evaluate the challenges faced by women as an economic agent in the patriarchal structure of society.

### **COURSE DETAILS**

#### **Block 1 Gender related Concepts and Devices**

##### **Unit 1**

Gender Concepts – Sex – Gender - Sexual Orientations – Gender Identity - Gender Equality and Equity - Gender Balance - Gender Blindness - Gender relations - Gender Neutrality – Gender Bias and Discriminations – Gender Rights – Gender Voice and Responsibilities

##### **Unit 2**

Gender Divide – Gender Digital Divide – Gender Access to Resources and Inputs Divide – Gender Mobility Divide – Gender Wage Divide – Gender Needs

##### **Unit 3**

Gender Inequality in Rights, Resources, and Voice



#### **Unit 4**

Gender Inequality hinders Development - Cost of Wellbeing – Cost to Productivity and Growth – Cost to Governance

### **Block 2 Theories and Approaches**

#### **Unit 1**

Theories of Women's Issue in Development – WID, WAD, GID, GAD, DAWN

#### **Unit 2**

Approaches to Development of Women – Welfare, Equity, Anti-Poverty, Efficiency, Empowerment

#### **Unit 3**

Gender Analysis – Techniques and Tools – Measuring how women fair – HDI, Gender related Development Index, Gender Empowerment Measures, GII

### **Block 3 Gender Planning and Mainstreaming**

#### **Unit 1**

Gender Planning – Caro Moser's Gender Planning Framework

#### **Unit 2**

Gender Mainstreaming – Strategies – Implementation of Women Development Project – Gender Equality Action Planning and Project Design

#### **Unit 3**

Gender Budgeting and Gender Auditing

### **Block 4 Entitlement and Labour Force Participation**

#### **Unit 1**

Capability Approach by Amartya Sen and Martha Nussbaum

#### **Unit 2**

Ensuring Entitlements – Ensuring Economic Independence and Risk Coverage – Access to Credit and Insurance Market

### **Unit 3**

Concept and Analysis of Women's Work – Valuation of Productive and Unproductive Work – Visible and Invisible Work – Paid and Unpaid Work – Economically Productive and Socially Productive Work

### **Unit 4**

Economic Status - Property rights, access to and control over economic resources & assets – Power of decision making at household, class, community level – Feminisation 'U' Hypothesis

### **Essential Readings**

1. Mason, Andrew D.; King, Elizabeth M. *Engendering development through gender equality in rights, resources, and voice (English)*. A World Bank policy research report Washington, D. C .: World Bank Group.  
<http://documents.worldbank.org/curated/en/512911468327401785/Engendering-development-through-gender-equality-in-rights-resources-and-voice>
2. Babcock, Linda and Sara Laschever (2003), *Women Don't Ask: Negotiations and Gender Divide*. Princeton University Press: Princeton
3. Benaria, Lourdes (2003) *Gender Development and Globalisation: Economics as if All People Mattered*, Routledge: New York
4. Blau, Francine D, Anne E Winkler and Marianne A Ferber (2009) *The Economics of Women, Men and Work*, Prentice Hall
5. Boserup, Ester (2007), *Women's Role in Economic Development*, George Allen and Unwin, London.
6. Ghosh Jayati (2009) *Never Done and Poorly Paid: Women's Work in Globalizing India*, New Delhi, Women Unlimited, 2009.
7. <https://www.jetir.org/papers/JETIR2201557.pdf>

### **Additional Readings:**

1. Hoffman, Saul D and Susan Averett (2010) *Women and the Economy: Family, Work and Pay*, Prentice Hall
2. Kabeer, Naila (1995) *Reversed Realities: Gender Hierarchies in Development Thought*, Verso: London 1995

3. Kapadia Karin. (ed.)(2002) *Violence of Development: The Politics of Identity, Gender and Social Inequalities in India*, Zubaan: New Delhi
4. Matari, Ellen, Heather Boushey and William Fraher IV (1997) *Gender and Political Economy: Incorporating Diversity into Theory and Policy*, M E Sharpe
5. Rai Shirin M (2013) *Gender and the Political Economy of Development*, Polity Press: UK Visvanathan N., Duggan L., Nisonoff L. and N. Wiegersma (eds.), *The Women, Gender and Development Reader*, New Delhi, Zubaan, 1997
6. Angrist, J. (2002), "How Do Sex Ratios Affect Marriage and Labor Markets? Evidence from America's Second Generation," *Quarterly Journal of Economics* 117(3): 997-1038.
7. Bettio, Francesca and Alina Verashchagina (2008) *Frontiers in the Economics of Gender*, Routledge: London

## **SKILL ENHANCEMENT COMPULSARY COURSE**

**M23EC02SC**

### **ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

**CREDITS-2**

#### **Course Objectives:**

1. To understand the basic concepts of Artificial intelligence
2. To analyse the applications of AI in Economics
3. To familiarise with data processing methods
4. To understand about Basics of Coding in Python
5. To familiarize with Exploratory data analysis

#### **Course Outcome**

1. The learner can apply AI for Fraud detection
2. Apply AI in Economics to estimate demand and elasticity of demand
3. Analyse large data sets, identify patterns and trends, and make predictions.
4. Analyse the ethical and Societal Implications of Machine Intelligence
5. Use and manipulate data seamlessly

#### **COURSE DETAILS**

##### **BLOCK 1: Artificial Intelligence and Machine Learning: Concepts and Applications**

###### **Unit 1**

Introduction to Artificial Intelligence and Machine Learning - Basic concepts of AI and ML -  
Types of ML algorithms - Applications of AI/ML in economics

###### **Unit 2**

Data Pre-processing and Exploratory Data Analysis - Data cleaning and transformation - Data  
visualization and exploratory data analysis

###### **Unit 3**

Basics of AI and ML - Linear regression - Classification - Clustering - Dimensionality reduction

#### **Unit 4**

Evaluation Metrics - Accuracy, Precision, Recall, F1 Score, ROC Curve

### **BLOCK 2: Data Analysis using Python**

#### **Unit 1**

Introduction to Python- Writing Python programs, Executing Commands in Python - Data structures in Python

#### **Unit-2**

Decision making and Loops - Modules and Packages

#### **Unit 3**

Constructing Bar graphs using python - Constructing contingency tables - Constructing histogram using Python

#### **Unit-4**

Exploratory data analysis – Descriptive Statistics and Inferential Statistics

### **Essential Readings**

1. Vishal Maini , Machine Learning for Humans <https://medium.com/machine-learning-for-humans/why-machine-learning-matters-6164faf1df12>
2. Theobald O (2021)Machine Learning For Absolute Beginners: A Plain English Introduction (Third Edition) (AI, Data Science, Python & Statistics for Beginners Book)
3. Data science using Python and R, by Chandal D Larose and Daniel T Larose, Wiley, 2019.
4. Data Mining and Business Analytics with R, Johannes Ledolte, Wiley, 2013

### **Additional Readings:**

1. Ajay Agrawal, Joshua Gans and Avi Goldfarb(2019) The Economics of Artificial Intelligence, Oxford University Press
2. Kevin Knight, Elaine Rich and Shivasankar B. Nair(2017) Artificial Intelligence McGraw Hill Education; 3rd edition
3. Introduction to Artificial Intelligence & Expert Systems, Dan W Patterson, PHI.,2010

## **CROSS BORDER COURSES**

### **SEMESTER - I/II/III/IV - CROSS BORDER DISCIPLINE COURSE**

#### **Cross Border Discipline Course (English)**

#### **M21EG01CB: ROMANTICS AND VICTORIANS**

**(PG Regulations 2021)**

**Credits: 04**

#### **Course Objectives:**

The objectives of this course are to:

- understand the socio-cultural, political and intellectual contexts that nourished Romantic and Victorian Literature
- evaluate critically the different phases of Romanticism, the change in mood and temper in the Victorian era and the conflict between science and religion at the turn of the century
- enable the learners to evaluate critically the English mind-set in the context of rapid social transformations in the nineteenth century
- identify and explain the features of the different kinds of literary texts in terms of the literary movements

#### **Course Outcomes:**

At the end of the course, learners will be able to:

- relate the texts selected for study to the genres they belong to and identify and explain the structural, formal, stylistic and literary features
- display an awareness of the contributions of the poets, novelists and prose writers
- explain and analyse the similarities and differences between the different types of novels of the Romantic and Victorian ages
- understand the social and literary changes that influenced drama in the century

#### **Course Outline :**

Block I - Socio-Political and Literary Contexts

Block II - Poetry and Drama

Block III- Prose and Fiction

## Block IV - Critical Responses

### Course Details :

## **BLOCK I - SOCIO-POLITICAL AND LITERARY CONTEXTS**

### **Unit 1 :**

The French Revolution and its impact – the Industrial Revolution – urbanisation and unemployment – the Luddite Riots – Peterloo Massacre – the Reform Act of 1832 – Corn Laws – the Hungry Forties – the Oxford Movement.

Change in mood and temper in the Victorian age – the spread of science and technology – the conflict between science and religion – Parliamentary reform and political stability – Utilitarianism – Charles Darwin – Karl Marx and Sigmund Freud – Methodism – the rise of education – Public school system- changes in social life – politics of colonization – the Victorian Dilemma – the Victorian Compromise – Victorian Morality

### **Unit 2 : Poetry**

The Romantic Revival and Revolt – William Wordsworth and Samuel Taylor Coleridge - the Lyrical Ballads – Wordsworth’s theory of poetry – different phases of Romanticism – the younger Romantics – John Keats, Percy Bysshe Shelley, Lord Byron – Women poets of the Romantic age – Anna Laetitia Barbauld, Elizabeth Benger, Charlotte Smith – Fleshly school of poetry – Aestheticism - Decadent poetry – Contemplative poetry, love poetry, elegy, dramatic monologue – Alfred Lord Tennyson, Matthew Arnold, A.H. Clough, Robert Browning, Elizabeth Barrett Browning – Pre-Raphaelites – D.G. Rossetti, Christina Rossetti, Algernon Swinburne, William Morris – Precursors to Modernist poetry – Thomas Hardy – Gerard Manley Hopkins, Rudyard Kipling – Symbolism – Arthur Symonds

### **Unit 3 : Drama**

Verse drama in the Romantic age – closet drama – Samuel Taylor Coleridge – William Wordsworth – George Gordon Byron – Percy Bysshe Shelley – John Keats – Lord Tennyson – the decline of drama in the Romantic and Victorian ages – causes – dramatists of transition – T.W. Robertson and Stage Naturalism – spectacular theatre and melodrama – Pinero and Jones and the problem play – Oscar Wilde and Comedy of Manners.

### **Unit 4 : Prose and Fiction**

The rise of the modern review and magazines – Essay writing and criticism – Thomas De Quincey and J.G. Lockhart – Charles Lamb – the personal essay – William Hazlitt – Leigh Hunt – Coleridge’s prose writings – Mary Wollstonecraft – the development of the English Novel in the first half of the nineteenth century – Walter Scott – the Historical Novel – Jane Austen – Horace Walpole, Mary Shelley – the Gothic Novel

The prose in the age of Tennyson – Thomas Carlyle – Arnold’s essays – other prose writers – Walter Pater, Leslie Stephen, Thomas Huxley and John Henry Newman – Age of Fiction – Charles Dickens and the Humanitarian Movement – William Thackeray – George Eliot – the – the Bronte sisters, George Meredith, R.L. Stevenson – Hardy and the Wessex novels.

## **References**

Choudhury, Bibhash. *English Social and Cultural History: An Introductory Guide and Glossary*. New Delhi: PHI, 2005. Print.

Daiches, David. *A Critical History of English Literature*. Vol. 2. London: Secker & Warburg, 1961. Print. Ford, Boris. *The Pelican Guide to English Literature*. Vol. 5 and Vol. 6. Penguin Books, 1980. Print.

Sampson, George. *The Concise Cambridge History of English Literature*. 1941. Cambridge: Cambridge UP, 2004. Print.

## **BLOCK II - POETRY AND DRAMA**

### **Prescribed Texts**

#### **Unit - 1 : Detailed Study**

#### **Poetry**

William Wordsworth “Ode: Intimations of Immortality”

Samuel Coleridge “Dejection: An Ode”

P. B Shelley “Ode to a Skylark”

John Keats “Ode on a Grecian Urn”

Lord Tennyson “The Lotus-Eaters”

Robert Browning “My last Duchess”

Matthew Arnold “Dover Beach”

G. M Hopkins “Pied Beauty”

#### **Unit - 2: Detailed Study**



## **Drama**

Oscar Wilde *The Importance of Being Earnest*

## **Unit 3 : Non-detailed Study**

### **Poetry**

Lord Byron “She Walks in Beauty”

Robert Southey “My Days among the Dead are Past”

Charlotte Smith Sonnet VIII “To Spring”; Sonnet XLIV “Written in the Churchyard at Middleton Sussex”

Emily Bronte “No Coward Soul is Mine”

D. G Rossetti “The Blessed Damozel”

Christina Rossetti “In an Artist’s Studio”

Elizabeth Barrett Browning *Sonnets from the Portuguese* –14 and 22

## **Unit 4 : Non-detailed Study**

### **Drama**

P. B Shelley’s *Cenci*

## **BLOCK III- PROSE AND FICTION**

### **Prescribed Texts**

#### **Unit - 1 : Detailed Study**

### **Prose**

Charles Lamb “Oxford in the Vacation”

William Hazlitt “On Familiar Style”

John Ruskin “On Books and Reading”

## Unit - 2 : Non-detailed Study

### Prose

Matthew Arnold "Sweetness and Light," *Culture and Anarchy*, Chapter I. Pages:1-19.

## Unit 3 : Non-detailed Study

### Prose

Walter H. Pater "Preface" and "Conclusion" from *Studies in the History Of The Renaissance*.

## Unit 4 : Non-detailed Study

### Fiction

Charlotte Bronte *Jane Eyre*

Charles Dickens *Great Expectations*

George Eliot *Silas Marner*

Thomas Hardy *The Mayor of Casterbridge*

## BLOCK IV : CRITICAL RESPONSES

This is a set of critical responses to texts in blocks 2 and 3. These are to be used as critical tools for the analysis of primary texts. No annotations are to be asked from the following texts.

### Suggested Reading:

Abrams, M. H. "Introduction: Orientation of Critical Theories." *The Mirror and the Lamp: Romantic Theory and the Critical Traditions*. 1953. Oxford: Oxford UP, 1971.3-29. Print.

Bloom, Harold. "Prometheus Rising: The Backgrounds of Romantic Poetry." *The Visionary Company: A Reading of English Romantic Poetry*. 1961. Rev. and enl. ed. Ithaca: Cornell UP, 1971. xiii-xxv. Print.

Walker, Hugh. "The New Age." *The Literature of the Victorian Era*. 1910. Cambridge UP, 2011. 1-22. Print.

### References:

Alexander, Michael. *A History of English Literature*. Chennai: Palgrave Macmillan, 2007. Print.

Bowra, Cecil Maurice. *The Romantic Imagination*. 1949. London: Oxford UP, 1964. Print. Brantlinger, Patrick. *Victorian Literature and Postcolonial Studies*. Edinburgh: Edinburgh UP, 2009. Print.

Burwick, Fredrick. *Poetic Madness and the Romantic Imagination*. Pennsylvania State University Press. 1996.

Butler, Marilyn. *Romantics, Rebels, and Reactionaries: English Literature and its Background 1760 to 1830*. London: OUP, 1981.

- Bush, Douglas. *Mythology and Romantic Traditions*. 1937. New York: Pageant, 1957. Print.
- Evans, Ifor. *A Short History of English Literature*. New York: Penguin, 1990. Print.
- Foster, Richard. "Wilde as Parodist: A Second Look at the Importance of Being Earnest." *College English* 18.1 (1956): 18-23. *JSTOR*. Web. <<http://www.jstor.org/stable/372764>>.
- Frye, Northrop. *A Study of English Romanticism*. New York: Random House, 1968. Print.
- Grierson, Sir Herbert John and James Cruickshank Smith. *A Critical History of English Poetry*. 1946. London: Bloomsbury Academic, 2013. Print.
- Hoerner, Fred. "Nostalgia's Freight in Wordsworth's 'Intimations Ode'" *ELH* 62.3 (1995): 631-61. *JSTOR*. Web. <<http://www.jstor.org/stable/30030094>>.
- Knight, George Wilson. *The Starlit Dome: Studies in the Poetry of Vision*. London: Routledge, 2002. Print.
- Lawrence, Karen, Betsy Seifter and Lois Ratner. *McGraw-Hill Guide to English Literature Vol. II: William Blake to D. H. Lawrence*. New York: McGraw-Hill, 1985. Print.
- Peck, John and Martin Coyle. *A Brief History of English Literature*. 2002. 2<sup>nd</sup> ed. UK: Palgrave Macmillan, 2013. Print.
- Radford, Andrew and Mark Sandy, ed. *Romantic Echoes in the Victorian Era*. 2008. London: Routledge, 2016. Print.
- Trilling, Lionel. *The Liberal Imagination: Essays on Literature and Society*. 1950. New York: New York Review, 2008. Print.
- Watt, Ian, ed. *The Victorian Novel: Modern Essays in Criticism*. London: Oxford UP, 1971. Print
- Ruston, Sharon. *Romanticism*. Viva Continuum. Delhi, 2008.
- Moran, Maureen. *Victorian Literature and Culture*. Viva Continuum. Delhi, 2008.
- Raymond Williams: "The Romantic Artist" *Culture and Society, 1780-1950*. CUP. 1983.

**MASTER OF ARTS**

**ARABIC**

**M23AR01CB**

**ARABIC FOR ALL**

**Credit - 4**

**Objectives**

1. To be acquainted with Arabic vocabularies and phrases related to everyday life.
2. To develop communication skills for various situations.
3. To make the learners able to communicate easily with Arab natives and make cultural exchanges with them.

**Course Outcome:**

1. Develop basic conversational techniques and skills in Arabic.
2. Acquire communication skills for various situations.
3. To familiarize with Arabic vocabularies and phrases.
4. Communicate easily with Arab natives and make cultural exchanges with them.

**Outline of the Course:**

**Block 1: Arabic for Everyday Life**

**Unit 1:** Conversations: Greetings, self introduction and introducing others

**Unit 2:** Conversation among family members

**Unit 3:** Conversation at public places

**Unit 4:** Time and Date

**Block 2: Arabic for Travel and Tourism**

**Unit1:** Dialogues in journey

**Unit 2:** Conversation on health, visa and Passport

**Unit3:** Tourism related expressions and conversations

**Block 3: Arabic for Workplaces**

**Unit 1:** Conversations at offices and institutions

**Unit2:** Telephonic talks

**Unit 3:** Conversation at educational institutions

## **Block 4: Arabic for Commercial Establishments**

**Unit 1:** Conversation at hotels

**Unit 2:** Conversation at flats

**Unit 3:** Conversation at shops and markets

**Unit 4:** Conversation at banks and financial institutions.

### **List of References:**

1. Dr Abdurahman ibnu Ibrahim Fouzan and Others: *Al Arabiya Baina Yadaik A Level 1-2* Published by Arabic for All , Riyadh , K .S.A.
2. Prof Dr Shafeeque Ahamed Khan Nadwi and Others: *Functional Arabic* Vol 1-4, NCPU, New Delhi.
3. Nasif Mustafa Abdul Azeez and Muhyudheen Swalih : *Al Arabiya Lil Hayat*, Vol: 1, King Saud University . KSA.
4. DrMahmood Ismail Sweeni: *Al Arabiya Linnasheen*, Ministry of Education, KSA.
5. Dr S.K. Bahmani: *Easy Steps to Functional Arabic*
6. Mohd Alesh: *Ahlan Wa Sahlan – Functional Modern Standard Arabic for Beginners*, Yale University Press, London and Amazon books.
7. Dr VP Abdul Hameed: *The Commercial Arabic: A textbook on Functional Arabic*, Al Huda Book Stall Calicut
8. Abdul Hameed V P and Abdul Haleem N K, *Arabic for Various Situations*, Al Huda Book Stall Calicut
9. Veeran Mohyideen, *Functional Arabic*, Arabnet Calicut
10. Dr Syed Ali. , *Arabic for Beginners*, Arabic Publications of India; 7th edition Chennai.

**MASTER OF ARTS**  
**HINDI**  
**Cross Border Course**  
**M23HD01CB**  
**BEGINNER'S HINDI**  
**Credit - 4**

**Objectives**

1. This course covers Structure of Hindi, Communicative Contexts of Hindi, Development of Vocabulary , Syntax and Discourse, Indian Language Computing, Technological Contexts of Hindi Computing.
2. Translation of Simple Sentences from English to Hindi, Origin and Development of Hindi language.
3. Introduction to Hindi Poetry, Introduction to Hindi Prose, Hindi in the International Scene.

**Course Outcome**

1. Acquire capability in spoken and written Hindi- Pronunciation, Script and Spelling, Spoken Skills, Comprehension. Understand the basics of Hindi Script and spelling and will be able to develop the right pronunciation and speaking skills of the language. Develop the writing and speaking skill through acquiring a thorough knowledge of the language that aims in attaining the language proficiency.
2. Comprehend applied Hindi grammar- Structure of Hindi- Communicative Contexts of Hindi- Parts of Speech. Acquire the basics of grammatical structure of Hindi comprising of parts of speech and other communicative contexts offered through applied Hindi grammar that promotes their communicative skill thus emphasizing the accountability of the language.
3. Develop the Vocabulary, Syntax and Discourse and Hindi Computing- Indian Language Computing- Technological Contexts of Hindi- Computing. Understand and acquire progress in the language through the enrichment of the vocabulary, Syntax and Discourse development and comprehend the dimensions of Hindi Computing and its reliability with technological aspects.
4. To familiarize the translation of Simple Sentences from English to Hindi and vice versa.
5. Understand Hindi Literature- Origin and Development of Hindi Language. Introduction to Hindi Poetry, Introduction to Hindi Prose. Acquire the basics of Hindi literature mainly in poetry and prose and get accustomed to it by recognizing its relevance in the development of Hindi language.
6. Understand Hindi in the International Scene- Technology and Hindi- Hindi in the field of advertisement – Usage of Hindi in various scenarios. Explore the benefits of Hindi language in the field of technology, advertisement and usage of Hindi in various scenarios thereby attaining a clear idea of relevance of Hindi in vivid fields taking into account its International acceptance too.

**Course Content**

**Module 1 : Spoken and Written Hindi**

Unit 1 : Pronunciation, Script and Spelling, Spoken Skills, Comprehension.

**Module 2 : Applied Hindi Grammar**

Unit 1 : Structure of Hindi

Unit 2 : Communicative Contexts of Hindi and Parts of Speech.

**Module 3 : Practice of Translation**

**Unit 1 :** Translation of Simple Sentences from English to Hindi and vice versa.

**Module 4 : Hindi in the International Scene**

Unit 1 : Technology and Hindi

Unit 2 : Hindi in the field of Advertisement

Unit 3 : Usage of Hindi in various scenarios.

**References**

1. Vyavaharik Hindi Vyakaran Anuvad Tatha Rachna – Dr.H. Parameswaran
2. Bhasha Aur Proudhyogiki – Vinod Kumar Prasad, Vani Prakashan, New Delhi
3. Bhasha Aur Vyavahar – Brajmohan, Vani Prakashan, New Delhi.

# **M21CM01CB: ORGANISATIONAL BEHAVIOUR**

(PG Regulations 2021)

**(Credits: 04)**

## **Objectives**

To develop theoretical and practical knowledge of various aspects of individual and group behaviour in an organisational setting.

## **Course outcome**

After the completion of this course, the learners will be able to:

Learn about the theory behind organisational behaviour, its significance in human resource management, how people behave both individually and in groups, the basis of group dynamics, the nature of conflicts, and how to handle it.

## **Course Outline**

Block 1: Introduction to Organisational Behaviour

Block 2: Individual Behavior

Block 3: Individual and group dynamic

Block 4: Organizational Conflict



**Block 1: Introduction to Unit 1 Introduction**

**Organisational  
Behaviour**

Meaning - definition of OB- concepts-nature-elements- approaches to the study- organizational development-levels of analysis-contributing disciplines to the understanding of OB.

**Unit 2 Models of OB**

Developing OB model- behavioristic, social learning and cognitive frameworks- behavioural indices-efficiency and effectiveness- contemporary application & challenges of OB

**Unit 3 Learning**

Meaning and definition- process-theories of learning- OB in a learning organisation- Work-Life conflicts-ethics and ethical behaviour in organizations-improving ethical behavior

**Block 2**

**Individual Behaviour**

**Unit 1 Foundation of individual behaviour**

Meaning–definition-factors influencing individual behavior - personal factors- environmental factors- organizational systems and resources

**Unit-2 Attitude**

Meaning and definition- components- functions- formation- changing of attitude- prejudice and attitude

**Unit 3 Personality**

Meaning and definition -determinants of personality-  
personality traits - personality models- personality tests and  
measurement - personality typology- theories of personality

**Block 3 Individual and group dynamic Unit 1 Perception**

Meaning -perceptual process–factors influencing perception-  
perception and individual decision making-perceptual  
biases/errors-honing perceptual skills learning–theories of  
learning-operant conditioning- social learning-principles of  
learning

**Unit 2 Motivation Theory**

Meaning-definition–theories of motivation -Maslow’s-  
Herzberg’s-Alderfer’s and McClelland’s theories -Equity  
theory of Stacy Adam’s - Vrooms Expectancy theory.

**Unit 3 Group dynamic**

Definition-important-types of groups-group formation-group  
development-stages of group development-group performance  
factors, group norms- group status- group size

**Block 4 Organizational Conflict Unit 1 Organizational culture**

Meaning-Definition-culture and formalisation- functions-  
sustaining Culture-ethical organisational culture-creating a  
customer-responsive culture

**Unit 2 Types of conflicts**

Sources- patterns- levels-types of conflict- conflict process -  
levels of conflict-Traditional and modern approaches to  
conflict- functional and dysfunctional organisational conflicts-  
resolution of conflict

### **Unit 3 Organizational development**

Meaning- concept-definition-need for change-resistance to change- theories of planned change- organizational diagnosis-OD intervention.

#### **References**

1. Griffin, R. and Moorhead, G. (2007) Organizational Behavior: Managing People and Organizations. 18th Edition, Houghton Mifflin Company, Boston.
2. Hellreigel, Don, John W. Slocum, Jr., and Richards W. Woodman:
3. Hersey, Paul, Kenneth H. Blanchard and Dewey E Johnson: Management of Organizational Behaviour:
4. Ivancevich; John and Micheol T. Matheson: Organizational Behaviour and Management, Tata McGraw-Hill, New Delhi.
5. Newstrom, John W. and Keith Davis: Organizational Behavior: Human Behavior at Work, Tata McGraw-Hill, New Delhi.
- 6 Robbins, Stephen P: Organizational Behavior, Prentice Hall., New Delhi.
7. Steers Richard m. and J. Stewart black: Organizational Behavior, Hrper Collins college Publishers, New York.

**MASTER OF ARTS**  
**HISTORY**  
**CROSS BORDER DISCIPLINE**  
**M21HS01CB: STRUGGLE FOR INDIAN INDEPENDENCE**  
**(Credits: 04)**

**Course Objectives:**

- To gain insight into the nature of colonial intervention in India
- To familiarise the impact of colonialism in the Indian context
- To familiarise the growth of nationalism in India
- To assess the characteristics of the Indian independence movement

**Course Outcomes:**

- Understand the nature of colonialism in India
- Examine the consequences of colonial exploitation in India
- Analyse the growth of nationalism in India

**Course Structure:**

**BLOCK-I-COLONIAL INTERVENTION**

**Unit 1 -Colonial Intervention in India:** Administration- Economy- Agrarian Settlements- Commercialization of Agriculture

**Unit 2 -Impact of Colonial intervention and Resistance:** Impact on indigenous crafts- Drain of wealth- Deindustrialisation - Famine- Early resistance movement- 1857 revolt

**Unit 3- Reform Movements** Colonial modernity in India- Social and Cultural policy- Socio-Religious Reform movements- Methods of reform- Weaknesses and limitations

**BLOCK-2 -EMERGENCE OF INDIAN NATIONALISM AND THE BEGINNING OF NATIONAL MOVEMENT**

**Unit 1 - Emergence of Indian Nationalism:** Factors for the growth of Indian nationalism- Early Political Associations- Emergence of Indian National Congress- Theories on the foundation of Indian National Congress- Safety Valve theory- Role of A.O Hume

**Unit 2- Moderate Phase of the Congress:** Nature of function- Moderate leaders of the Congress- Major demands- British attitude towards the Congress- Achievements and drawbacks

**Unit 3- Emergence of Extremism:** Partition of Bengal and the Swadeshi movement- Ideological basis of Extremism-Cancellation of Partition of Bengal

### **BLOCK-3-IMPACT OF FIRST WORLD WAR AND GANDHIAN INTERVENTION**

**Unit 1- First World War and Indian Nationalism:** National Movement during the time of First World War- Home Rule League-Revolutionary movements in India and abroad- Congress League Scheme-Reunion between Moderates and the Extremists

**Unit 2- Emergence of Gandhi in Indian Politics:** South African experiments- Gandhian techniques of Satyagraha- Champaran Satyagraha- Ahmedabad and Kheda -Rowlatt Act - Jallianwala Bagh Tragedy- Khilafat Issue-Non-Cooperation Movement and its Nature

**Unit 3- Swarajist Interlude and after:** Swarajist interlude and the progress of National movement- Swarajist experiments- Simon Commission 1927- Nehru report- Lahore Session and Purna Swaraj Resolution

### **BLOCK-4 STRUGGLE FOR SWARAJ**

**Unit 1 -Civil Disobedience Movement and other developments:** Civil Disobedience Movement- Round Table Conferences- Three Round Table Conferences- White Paper- Poona Pact- Government of India Act of 1935- Congress in Office- Outbreak of Second World War- Cripps Mission- Quit India Movement

**Unit 2 -Emergence of Socialist ideas:** Trade Union Movement- Bardoli Satyagraha- Growth of Peasant Movements-Women in Revolutionary Movement- Kalpana Dutta- Bina Das- Preethy Latha Vadedar

**Unit 3 -Communal Politics and Partition of India:** Two Nation Theory of Jinnah-Cabinet Mission-Direct Action Day- Wavell Plan- Simla Conference- Subhash Chandra Bose and INA- RIN Mutiny- Partition and Independence

### **Reading List:**

1. A.R. Desai, *Social Background of Indian Nationalism*, Popular Prakashan, Delhi ,1987
2. Anil Seal, *The Emergence of Indian Nationalism*, Cambridge University Press, 1968

3. Antony. D. Smith, *The Antiquity of Nations*, Polity Press, Cambridge, 2004
4. Bipan Chandra, *Communalism in Modern India*, Har Anand Pub, 2008
5. Bipan Chandra, *India's Struggle for Independence*, Penguin Books 1998
6. Bipan Chandra, *Modern India*-NCERT Books, New Delhi, 2000
7. Bipan Chandra, *Nationalism and Colonialism in Modern India*, Orient Longman,1987
8. Ernst Gellner, *Nation and Nationalism*, Basil Blackwell OUP, 1983
9. Irfan Habib, *Indian Economy-1858-1914*, Manohar Pub., 2006
10. Jaswant Singh, *Jinnah: India- Partition- Independence*, Rupa Pub, 2001
11. Jawaharlal Nehru, *An Autobiography*, Teen Murti House, Delhi,1936
12. Judith Brown, *Modern India: The Origins of an Asian Democracy (Short Oxford History of the Modern World)*, OUP, 1994
13. K.N. Panikkar, *Culture, Ideology Hegemony: Intellectual and Social Consciousness in Colonial India*, People's Pub House,1990
14. Mohandas Karamchand Gandhi, *My Experiments with Truth*, Crossland Pub., 2009
15. Partha Chatterjee, *Wages of Freedom*, OUP, 1999
16. R.C. Majumdar, *History of Freedom Movement in India*, South Asia Books, 1998
17. Ramachandra Guha, *India After Gandhi*, Picador India, 2008
18. S.C. Gosh, *History of Education in Modern India*, UBS Pub, Delhi, 2009
19. Sumit Sarkar, *Modern India, 1887-1947*, McMillan, Madras, 1983
20. Tara Chand, *History of Freedom Movement in India (3Vols)*, Pub. Division, 1961

**MASTER OF ARTS**

**M21ML01CB**

**CREDITS: 4**

**കവിതയും കഥയും**

**(Kavithayum Kadhayum)**

**Objectives**

1. മലയാള കവിതയുടെ ചരിത്രം മനസ്സിലാക്കുക
2. മലയാള കവിതയിലെ കാൽപ്പനിക നവകാൽപ്പനിക പ്രവണതകളെക്കുറിച്ച് അറിവ് നേടുക
3. സമകാലിക മലയാളകവിത അഭിസംബോധന സൂക്ഷ്മരാഷ്ട്രീയങ്ങളെക്കുറിച്ച് ധാരണ നേടുക
4. ഇരുപതാം നൂറ്റാണ്ടിന്റെ ആരംഭം മുതലുള്ള മലയാള ചെറുകഥാചരിത്രത്തെക്കുറിച്ച് ധാരണ നേടുക
5. ആധുനിക - ആധുനികാനന്തര കവിതകളുടെയും കഥകളുടെയും സവിശേഷതകൾ തിരിച്ചറിയുക
6. പരിസ്ഥിതി -ദളിത് - സ്ത്രീപക്ഷ രചനകളുടെ രാഷ്ട്രീയം മനസ്സിലാക്കുക

**Course outcomes**

1. മലയാള കവിതയുടെ ചരിത്രത്തെക്കുറിച്ച് സാമാന്യമായ ധാരണ ലഭിക്കുന്നു
2. ആധുനിക കവിതയിലെ വ്യത്യസ്ത ധാരകൾ പരിചയപ്പെടുന്നു
3. ഉത്തരാധുനിക കാലത്തിന്റെ സവിശേഷതകൾ മനസ്സിലാക്കുന്നു.
4. ദളിത് -സ്ത്രീപക്ഷരചനകളുടെ രാഷ്ട്രീയം വിശകലനം ചെയ്യുന്നു
5. മലയാള ചെറുകഥയുടെ ഭാവകത്വ പരിണാമചരിത്രത്തെക്കുറിച്ച് അറിവ് നേടുന്നു
6. സമകാല കവിതയുടെയും ചെറുകഥയുടെയും സവിശേഷതകൾ കണ്ടെത്തുന്നു

**Course Details**

**ബ്ലോക്ക് ഒന്ന്**

പാട്ട് - മണിപ്രവാളം - നിർവചനങ്ങൾ - ചെറുശ്ലോകം - കൃഷ്ണഗാഥ - ഭക്തിപ്രസ്ഥാനം - പുരാണകഥാപുനരാഖ്യാനം - എഴുത്തച്ഛനും കൃതികളും - കുഞ്ചൻ നമ്പ്യാർ - തുള്ളൽ പ്രസ്ഥാനം - പുന്താനം - ശ്രീനാരായണഗുരു - വിലാപകാവ്യപ്രസ്ഥാനം - മലയാള കവിതയിലെ കാല്പനികത - കവിത്രയം

**വിശദപഠനം:**

**യൂണിറ്റ് - 1**

- 1. ചെറുശ്ലോകം - അക്രൂരാഗമനം (290 വരികൾ)
- 2. എഴുത്തച്ഛൻ - ലക്ഷ്മണോപദേശം (126 വരികൾ)

**യൂണിറ്റ് - 2**

- 1. കുഞ്ചൻ നമ്പ്യാർ - ഘോഷയാത്ര
- 2. ശ്രീനാരായണഗുരു - ദൈവദശകം

**യൂണിറ്റ് - 3**

- 1. വി.സി. ബാലകൃഷ്ണപ്പണിക്കർ - ഒരു വിലാപം (ആദ്യത്തെ 12 ശ്ലോകം)
- 2. കുമാരനാശാൻ - വീണപൂവ്

**യൂണിറ്റ് - 4**

- 1. വള്ളത്തോൾ - അച്ഛനും മകളും
- 2. ഉള്ളൂർ - ഭൂതക്കണ്ണാടി

**ബ്ലോക്ക് രണ്ട്**

കവിത കവിത്രയത്തിനുശേഷം - കാല്പനികതയുടെ മുന്നേറ്റം - പിൻക്കാല കാല്പനികത - ഭാവഗീതങ്ങൾ - മിസ്സിസിസ്റ്റം - സിംബലിസം - മറ്റു പ്രസ്ഥാനങ്ങൾ - കാവ്യഭാഷയുടെ പരിവർത്തനം - മലയാള കവിതയിലെ ആധുനികത - നവീനകവിത - എൻ. വി. കൃഷ്ണവാര്യർ - അക്കിത്തം - അയ്യപ്പപ്പണിക്കർ - കടമ്മനിട്ട - സച്ചിദാനന്ദൻ - കെ. ജി.



ശങ്കരപ്പിള്ള - ആധുനികനന്തരമലയാള കവിത - കവിതയുടെ രൂപപരമായ മാറ്റങ്ങൾ -  
ദളിത് - പരിസ്ഥിതി - പെണ്ണെഴുത്ത്

**വിശദപഠനം:**

**യൂണിറ്റ് - 1**

- 1. ബാലാമണിയമ്മ - മഴുവിൻറെ കഥ
- 2. ചങ്ങമ്പുഴ - മനസ്സിനി
- 3. വൈലോപ്പിള്ളി - കന്നിക്കൊയ്ത്ത്

**യൂണിറ്റ് - 2**

- 1. ജി. ശങ്കരക്കുറുപ്പ് - സൂര്യകാന്തി
- 2. ഇടശ്ശേരി - ഹനുമത് സേവ തുഞ്ചൻ പറമ്പിൽ
- 3. വയലാർ രാമവർമ്മ - സർഗ്ഗസംഗീതം

**യൂണിറ്റ് - 3**

- 1. അയ്യപ്പപ്പണിക്കർ - മൃത്യുപൂജ
- 2. എ. അയ്യപ്പൻ - അത്താഴം
- 3. സച്ചിദാനന്ദൻ - ഇവനെക്കൂടി

**യൂണിറ്റ് - 4**

- 1. കുര്യപ്പുഴ ശ്രീകുമാർ - ഇഷ്ടമുടിക്കായൽ
- 2. അനിത തമ്പി - ആലപ്പുഴ വെള്ളം
- 3. എം. ആർ. രേണുകുമാർ - കൊതിയൻ
- 4. വി. എം. ഗിരിജ - കുന്തി

## ബ്ലോക്ക് മുൻ

ചെറുകഥ: നിർവചനം - വിദേശ സ്വാധീനം - ആദ്യകാല ചെറുകഥകൾ - വ്യത്യസ്ത പ്രമേയങ്ങൾ - വേങ്ങയിൽ കുഞ്ഞിരാമൻ നായനാർ - നവോത്ഥാന കഥകൾ - സാമൂഹിക ചലനങ്ങൾ - റിയലിസം - തകഴി - എസ്. കെ. പൊറ്റക്കാട് - കേശവദേവ് - വൈക്കം മുഹമ്മദ് ബഷീർ - ലളിതാംബിക അന്തർജനം - പൊൻകുന്നം വർക്കി - കാരൂർ - ദരിദ്രരുടെയും അധഃസ്ഥിതരുടെയും കഥകൾ

## യൂണിറ്റ് - 1

1. ലളിതാംബിക അന്തർജനം - ധീരേന്ദു മജൂന്ദാരുടെ അമ്മ
2. തകഴി ശിവശങ്കരപ്പിള്ള - കൃഷിക്കാരൻ

## യൂണിറ്റ് - 2

1. എസ്. കെ. പൊറ്റക്കാട് - ഒട്ടകം
2. വൈക്കം മുഹമ്മദ് ബഷീർ - പൂവമ്പഴം

## യൂണിറ്റ് - 3

1. കാരൂർ നീലകണ്ഠപ്പിള്ള - മോതിരം
2. ഉറൂബ് - രാച്ചിയമ്മ

## യൂണിറ്റ് - 4

1. എം. ടി. വാസുദേവൻ നായർ - കുറുത്ത ചന്ദ്രൻ
2. ടി. പരമേശ്വരൻ - കാലദൈവൻ
3. എൻ. മോഹനൻ - കൊച്ചുകൊച്ചു മോഹങ്ങൾ

## ബ്ലോക്ക് നാല്

ആധുനിക - ആധുനികാനന്തര കഥകൾ - കഥയും അന്തർഭാവവും - സമകാല ചെറുകഥ - ആഖ്യാനത്തിലെ മാറ്റങ്ങൾ - ആഗോളവൽക്കരണം - സ്വത്വരാഷ്ട്രീയം - സ്ത്രീ - പരിസ്ഥിതി - ദളിത് കഥകൾ

**വിശദപഠനം:**

**യൂണിറ്റ് - 1**

1. മാധവിക്കുട്ടി - ശർക്കര കൊണ്ടൊരു തുലാഭാരം
2. സി. വി. ശ്രീരാമൻ - വാസ്കുഹാര

**യൂണിറ്റ് - 2**

1. എം. മുകുന്ദൻ - പ്രഭാതം മുതൽ പ്രഭാതം വരെ
2. സക്കറിയ - ആർക്കറിയാം

**യൂണിറ്റ് - 3**

1. സി. അയ്യപ്പൻ - ഭ്രാന്ത്
2. കെ. ആർ. മീര - കൃഷ്ണഗാഥ
3. സന്തോഷ് ഏച്ചിക്കാനം - കൊമാല

**യൂണിറ്റ് - 4**

1. ഇ. സന്തോഷ് കുമാർ - സങ്കടമോചനത്തിന് ഒരു കൈപ്പുസ്തകം
2. ജി. ആർ. ഇന്ദുഗോപൻ - ചട്ടമ്പിസദ്യ

**സഹായക രചനകൾ**

1. അജയകുമാർ, എൻ., 2013, *ആധുനികത മലയാളകവിതയിൽ*, കോട്ടയം,

സാഹിത്യപ്രവർത്തക സഹകരണ സംഘം.

2. അച്ചുതൻ, എം., 2000, *ചെറുകഥ ഇന്നലെ ഇന്ന്*, കോട്ടയം, സാഹിത്യപ്രവർത്തക സഹകരണ സംഘം.
3. കൃഷ്ണപിള്ള, എൻ., 1975, *കൈരളിയുടെ കഥ*, കോട്ടയം, സാഹിത്യപ്രവർത്തക സഹകരണ സംഘം.
4. ജോർജ്ജ്, കെ. എം. ഡോ., (എഡി.) 1958, *സാഹിത്യചരിത്രം പ്രസ്ഥാനങ്ങളിലൂടെ*, കോട്ടയം, സാഹിത്യ പ്രവർത്തക സഹകരണ സംഘം.
5. ജോർജ്ജ്, കെ. എം. ഡോ., (എഡി.), 2002, *ആധുനിക മലയാള സാഹിത്യചരിത്രം പ്രസ്ഥാനങ്ങളിലൂടെ*, കോട്ടയം, ഡി. സി. ബുക്സ്.
6. പ്രസാദ്, സി. ആർ. ഡോ., 2005, *മലയാള കവിത ആധുനികാനന്തരം*, ചെങ്ങന്നൂർ, റെയിൻബോ ബുക്സ്.
7. ഭാസ്കരൻ, ടി. ഡോ., 1987, *കൃഷ്ണഗാഥ പഠനങ്ങൾ*, കോട്ടയം, എൻ. ബി. എസ്.
8. ബഷീർ, എം. എം., 2008, *മലയാള ചെറുകഥാസാഹിത്യ ചരിത്രം*, വോള്യം 1 & 2, തൃശൂർ, കേരള സാഹിത്യ അക്കാദമി.
9. മധുസുദനൻ, ജി. 2006, *കഥയും പരിസ്ഥിതിയും*, കോട്ടയം, ഡി. സി. ബുക്സ്.
10. മിനി പ്രസാദ്, ഡോ., 2015, *പെൺകഥകളുടെ ഫെമിനിസ്റ്റ് വായന*, കോഴിക്കോട് ഒലീവ് പബ്ലിക്കേഷൻ.
11. രവീകുമാർ, കെ. എസ്., 2012, *കഥയും ഭാവുകത്വചരിണാമവു*, കോട്ടയം, ഡി. സി. ബുക്സ്.
12. ലീലാവതി, എം. ഡോ., 1980, *മലയാള കവിതാ സാഹിത്യചരിത്രം*, തൃശൂർ, കേരള സാഹിത്യ അക്കാദമി.
13. പ്രൊഫ. പത്മന രാമചന്ദ്രൻനായർ. 2010, *സമ്പൂർണ്ണ മലയാള സാഹിത്യചരിത്രം*, തൃശൂർ, കറന്റ് ബുക്സ്.

**MASTER OF ARTS**  
**SANSKRIT**  
**M23SN01CB**  
**SAMSKRUTHA VARTHANI**  
**CREDIT: 4**

**Objectives**

- संस्कृतभाषायाः अध्ययनाय अलब्धावसराणां अनायासेन संस्कृतप्रवेशाय अवसरप्रदानम्।
- काव्यास्वादनक्षमतोत्पादनम्।
- नाट्यप्रयोगपरिज्ञानम् ।

**Learning Outcomes**

- संस्कृताध्ययनस्य प्रारंभाय अवश्यमध्येतव्यानां सुबन्तानां तिङन्तानाञ्च परिचयप्रदानम्।
- छात्राणां पदसम्पदः प्रवृद्धिः ।
- अन्यासां भारतीयभाषाणामपि पदसम्पदां अवगमने सौकर्यप्रदानम्
- भारतीयसंस्कृतेः महिमातिरेकं अवगन्तुं, तस्या वाहिनीरूपाया अस्या भाषाया अध्ययनेन छात्रान् प्रभावयितुम् ।
- सुसम्पन्ने संस्कृतसाहित्ये परिचयप्रदानम्।

**Block: 1 सुबन्त - तिङन्त - पदपरिचयः।**

**Unit - 1** पुंलिङ्ग – नपुंसकलिङ्गशब्दाः- बाल, हरि, गुरु, पितृ, राजन् (पुंलिङ्गे)।

फल, वारि, दधि, मधु, जगत् (नपुंसकलिङ्गे)।

**Unit - 2.** स्त्रीलिङ्गशब्दाः सर्वनामशब्दाश्च –लता, मति, नदी, स्त्री, मातृ, भास् -  
स्त्रीलिङ्गशब्दाः। अस्मत्, युष्मत्, तत्, एतत्, किम् – सर्वनामशब्दाः (तत्, एतत्,  
किं-

त्रिषु लिङ्गेषु)

**Unit - 3.** तिङन्तपरिचयः (Conjugations) - भूधातुः (परस्मैपदी) दशलकारेषु)।

**Unit - 4** वदि (वन्द्) धातुः (आत्मनेपदी) - दशलकारेषु। एधधातुः लिटि केवलम् –  
अनुप्रयोगलिटः अवगमनाय)

**Block:2 काव्यपरिचयः - श्रीकृष्णविलासकाव्यम् (सुकुमारकविः)**

**प्रथमसर्गः 1 – 28 श्लोकाः।**

- Unit - 1** श्लोकाः 1 - 7  
**Unit - 2** श्लोकाः 8 - 14  
**Unit - 3** श्लोकाः 15 - 21  
**Unit - 4** श्लोकाः 22 - 28

**Block : 3 काव्यपरिचयः - श्रीकृष्णविलासकाव्यम् (सुकुमारकविः)**

**प्रथमसर्गः 29– 54 श्लोकाः।**

- Unit - 1** श्लोकाः 29 - 35  
**Unit - 2** श्लोकाः 36 - 42  
**Unit - 3** श्लोकाः 43 - 48  
**Unit - 4** श्लोकाः 49 - 54

**Block :4 भासस्य कर्णभारः।**

- Unit - 1** कर्णभारे कर्णस्य प्रवेशः ।  
**Unit - 2** कर्णस्य अस्त्रवृत्तान्तः ।  
**Unit - 3** कर्णभारे शक्रस्य प्रवेशः ।  
**Unit - 4** कर्णस्य कवचकुण्डलदानम् ।

#### **Reference**

- 1.श्रीकृष्णविलासकाव्यम् – सुकुमारकविः, प्रथमसर्गः
2. भासः - कर्णभारः ,
- 2.शब्दमञ्जरी – विद्यासागर के. एल्. वी. शास्त्री R.S.Vadyar and Sons, Kalpathy, Palghat.
3. धातुरूपमञ्जरी - विद्यासागर के. एल्. वी. शास्त्रीR.S.Vadyar and Sons, Kalpathy, Palghat.
- 4.सुकुमारकविविरचितं श्रीकृष्णविलासकाव्यम् (प्रथमसर्गः)

(With Sanskrit commentary "Vilasini" by Ramapanivada and Malayalam commentary "Prasadam" by Prasad Anchal – Published by M. K. Ponnamma, Chithralayam, Anchal P.O.)

**SREENARAYANAGURU OPEN UNIVERSITY**  
**MASTER OF ARTS**  
**CROSS BORDER DISCIPLINE**  
**SOCIOLOGY -M21SO01CB: CRIMINOLOGY**  
**(PG Regulations 2021)**  
**(Credits: 04)**

**Course Objectives:**

The course introduces basic concepts in criminology and criminal administration. It helps the government, correction institutes and administrators to understand the societal elements in cultivating crimes and criminals in the society.

**Course Outcomes:**

- Acquaint the learners with concepts of criminology for the promotion of welfare and co-operation in society.
- Give exposure to the learners about different types of crime prevailing in society.
- Familiarize the learners criminal justice system and different ways of preventing crime in society.

**BLOCK 1: CRIME AND PERSPECTIVES**

**UNIT I: Crime and Criminology**

Definitions: Crime, Criminology and Criminal Justice, Differences between concepts: Sin, Crime, Vice & Wrong; Meaning: Deviance and Delinquency, Historical Development of criminology - Nature and Scope- Criminology

**UNIT II:**

**Conceptual approaches to crime:** legal, behavioral, sociological, deviance, crime and delinquency

**UNIT III:**

**Perspectives on crime causation:** classical and positivist school of criminology,



Psychological, sociological (Marxian, structural functional and symbolic interactionism)

## **BLOCK II: TYPES OF CRIME**

UNIT I:

**Typology of Crimes:** Crimes against Human body and Crimes against Property, Crimes against vulnerable groups: Crimes against women and children

UNIT II:

**Types of Crime:** Economic and violent crime, white collar and corporate crime, organized and cybercrime.

UNIT III:

Changing socio-economic profile of criminals in contemporary India

## **BLOCK III: CRIMINAL JUSTICE SYSTEM**

UNIT I: **Introduction to CJS**

CJS: Meaning, Purpose and Social Relevance; Legislative Process in CJS.

International Perspective: American, British, Chinese, French and Islamic CJS.

UNIT II: POLICE SYSTEM

**Historical overview of Police system in India and its function;** Police Act 1861, Organization set up of Indian Police in Modern Society. Objective of Police System: Maintenance of Law and Order, Investigation of Crimes, Protection of Life, Protection of Property Rights, Prevention of Crime.

UNIT III: JUDICIAL & PROSECUTION SYSTEM

**Judicial Administration in India:** Structure and Functions of Criminal Courts. Modern Judicial Systems: Fast Track Court, Children Court, JJB. Salient Features of Indian Judicial System: Independence, Public and Fair Trial. Fundamental Elements in Judicial Functioning: Due Process, Speedy Trials and Access to Justice. Prosecution System.

## **BLOCK IV: PUNISHMENT AND CORRECTIVE METHODS**

UNIT I:

**Punishment in Relation to Crime:** types of punishment, penology in India, Indian Penal Code, retributive and reformatory theory, deterrent theory

UNIT II:

**Correction:** significance and forms of correction, history of prison reforms in India, national policy on prisons, correctional programmes- educational, vocational, psychiatric, meditation, recreation, problems of correctional administration

UNIT III:

**Alternative to Imprisonment:** probation, parole, open prisons, after-care and rehabilitation, victimological perspective

### **SUGGESTED READINGS:**

1. Mohanty, R. K. & Mohanty, S. (2016). *Criminology Penology and Victimology*. Bengaluru: Himalaya Publishing House Pvt. Ltd.
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10. K. Padmanabhaiah Committee Police Reforms. (2001).
11. Srivastava, A. (1999). *Policing in the 21st Century*. Hyderabad: Indian Institute of Police Administration.
12. Guharoy J. T. (1999). *Role of Police in Changing Society*. New Delhi: APH Publications.

13. Sharma, P.D., (1985). *Police and Criminal Justice Administration in India*. Delhi: Uppal Publishing House.
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19. Ahuja, R. (2000). *Criminology*. Delhi: Rawat Publications.
20. Chaturvedi J.C. (2006). *Penology and Correctional Administration*, Delhi: Isha Books..

**MASTER OF ARTS**  
**PHILOSOPHY**  
**CROSS BORDER DISCIPLINE**  
**M23PH01CB: SOCIAL ETHICS**  
**(Credits: 04)**

**Course Outcomes:**

By studying this course, the learner will be able to:

- understand the nature and scope of ethics and analyse major ethical theories
- apply ethical reasoning in the problems related to media, information, communication and technology
- examine social justice issues through an ethical lens, understand the ethical dimensions of social inequalities, discrimination, and exclusion, and explore ethical approaches to addressing these issues.
- recognize the ethical principles underlying democratic governance, citizenship, and civic engagement.
- apply ethical principles to promote social change

**Block 1: Foundations of Ethics**

Unit 1: Introduction to Ethics

- Nature and scope of ethics
- Personal ethics vs. social ethics
- Professional ethics and Environmental ethics

Unit 2: Moral Reasoning and Major Ethical Theories

- Common ethical principles: Beneficence, nonmaleficence, autonomy, and justice
- Utilitarianism, Deontology, Virtue ethics
- Cultural relativism vs. universal ethics
- Ethical pluralism

Unit 3: Social Ethics: Theory and Practice

- Social ethics as applied ethics

- Ethical considerations in social interactions.
- Case studies of the intersection of ethics and social issues

## **Block 2: Human Rights and Social Justice**

### Unit 1: Human Rights

- Historical evolution of Human Rights
- Concept of Human Rights; Right to Life, Liberty, and Security
- Universality of human rights vs. cultural relativism
- Ethical justifications for equal social, economic, and political rights

### Unit 2: Equality

- Equality before the law
- Inequalities based on race, gender, caste and community
- Social and political exclusion and labour exploitation: Ethical Implications
- Social inclusion and diversity

### Unit 3: Social Justice

- Overview of major theories such as Rawlsian justice, capabilities approach.
- Application of distributive justice theories to social policy and resource allocation/redistribution
- Promotion of Social Justice and equity strategies for addressing systemic injustices

## **Block 3: Ethics of Information and Technology**

### Unit 1: Ethics in Information Literacy and Media Analysis

- Ethical considerations and responsibilities in information production and dissemination
- Analysis of the political influences on information and content creation.
- Ethical challenges in communication and consumption of media content

### Unit 2: Critical Analysis of Media Sources

- Detecting fake news, deep fakes and misinformation and identifying bias and propaganda
- Media manipulation and the spread of disinformation

- Consequences of media manipulation for public discourse and democratic processes
- Importance of developing critical thinking skills for discerning facts from fakes

### Unit 3: Ethical Considerations in Technology

- Unequal access to technology and digital resources (Digital divide) and social inequality
- Ethical considerations in technological innovation and development
- Balancing technological advancement with societal well-being and ethical values
- Ethical dilemmas in emerging technologies such as AI and biotechnology

## **Block 4: State, Sovereignty, and Citizenship**

### Unit 1: Theories of State and Sovereignty

- Historical perspectives on the development of political entities
- Theories regarding the emergence and evolution of the state
- Social contract theory and its ethical justifications for political authority
- State sovereignty versus individual rights in the modern world
- State sovereignty, individual freedom and international norms and obligations

### Unit 2: Citizenship and Civic Virtue

- Ethical responsibilities and obligations of citizenship
- Importance of civic education for ethical and citizenship and civic engagement
- Obligations of citizens in upholding democratic values and principles

### Unit 3: Accountability and Democracy

- Transparency, accountability, and the rule of law as ethical principles
- Democracy as an ethical principle
- Ethical foundations of democratic legitimacy and governance
- Democracy, Development, Decentralization and Governance

### Unit 4: Ethics and Power

- Impact of abuse of power and corruption on social justice.
- Ethical considerations on public policies and governance
- Ethical challenges in decision-making and policy formulation, including issues of justice, equity, and human rights

- Role of ethics in combating corruption and promoting social justice.

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**Cross border Course**

**Department of Political Science**

**INTRODUCTION TO THE CONSTITUTION OF INDIA [Credits: 4]**

**Course Code: M23PS01CB**

**Course Learning Objectives**

The course aims to provide a comprehensive understanding of the Constitution of India through the historical context of its evolution and the guiding principles enshrined in various parts of the Constitution. Learners will explore the philosophical foundations, fundamental rights, directive principles and the federal structure enshrined in the Constitution. The course also explores the checks and balance of power among the executive, legislature and judiciary.

**Course Learning Outcomes**

1. Analyze the historical background and the ideological factors that shaped the Indian Constitution.
2. Interpret the concepts of Fundamental Rights, Directive Principles of State Policy, and Fundamental Duties
3. Evaluate the federal structure, distribution of powers, and system of checks and balances.

**Course Outline**

- Block 1– Making of the Indian Constitution
- Block 2 – Unique Features of the Indian Constitution
- Block 3 – Organs of the Government
- Block 4 – Federalism and Decentralization

**Block 1: Making of the Indian Constitution**

Unit 1: Formation and working of the Constituent Assembly

Unit 2: Ideological and Philosophical bases of the Constitution

Unit 3: Preamble and Salient features of the Indian Constitution

## **Block 2: Unique Features of the Indian Constitution**

Unit 1: Fundamental Rights and Fundamental Duties

Unit 2: Directive Principles of State Policy

Unit 3: Constitutional Amendments

## **Block 3: Organs of the Government**

Unit 1: The Legislature: Parliament of India

Unit 2: The Executive: President, Vice-President, Prime Minister and Council of Ministers

Unit 3: The Judiciary: The Supreme Court and High Courts

## **Block 4: Federalism and Decentralisation**

Unit 1: Division of Powers

Unit 2: Local Self Government Institutions

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**MASTER OF ARTS**  
**PUBLIC ADMINISTRATION**  
**CROSS BORDER DISCIPLINE**  
**M23PA01CB: HUMAN RIGHTS**

**Credits: 04**

**Course objectives**

The course "Human Rights" aims to provide students with a comprehensive understanding of the concept, development, and implementation of human rights globally and within India, with a special focus on Kerala. Students will explore the historical evolution of human rights, the international and regional human rights frameworks, and the specific provisions within the Indian Constitution that safeguard these rights. Through this course, students will gain insights into the key human rights issues faced by various communities, particularly in Kerala, and the role of human rights institutions and civil society in addressing these challenges. Additionally, the course will address contemporary and emerging human rights issues, such as digital rights and environmental justice, preparing students to critically analyse and engage with these topics in their future careers and civic life. By the end of the course, students will be equipped with the knowledge and skills to advocate for and contribute to the protection and promotion of human rights in diverse contexts.

**Course outcomes**

Upon completion of the course, learners will be able to –

- understand the fundamental concepts and historical development of human rights.
- analyse international and regional human rights frameworks and their implementation.
- gain insight into the Indian constitutional provisions and institutions dedicated to human rights protection.
- critically examine human rights challenges and initiatives specific to Kerala.
- develop the ability to address and advocate for contemporary human rights issues globally and locally.

**Course outline**

Block 1: Introduction to Human Rights

Block 2: Human Rights in India

Block 3: Kerala-Specific Human Rights Issues

Block 4: Contemporary Human Rights Issues and Future Challenges

## **COURSE DETAILS**

### **Block 1: Introduction to Human Rights**

Unit 1: Understanding Human Rights

- Definition and concept of human rights
- Historical development of human rights
- Key principles and characteristics of human rights

Unit 2: International Human Rights Framework

- United Nations and human rights
- Universal Declaration of Human Rights (UDHR)
- International Covenant on Civil and Political Rights (ICCPR)
- International Covenant on Economic, Social and Cultural Rights (ICESCR)

Unit 3: Regional Human Rights Systems

- European Convention on Human Rights (ECHR)
- Inter-American System of Human Rights
- African Charter on Human and Peoples' Rights

### **Block 2: Human Rights in India**

Unit 1: Constitutional Framework

- Fundamental Rights and Directive Principles of State Policy
- Protection and enforcement of human rights in India
- Role of the judiciary in upholding human rights

Unit 2: Key Human Rights Issues in India

- Right to equality and non-discrimination
- Right to life and personal liberty
- Socio-economic rights: Right to education, health, and livelihood

### Unit 3: Human Rights Institutions in India

- National Human Rights Commission (NHRC)
- State Human Rights Commissions
- Role of non-governmental organizations (NGOs)

### **Block 3: Kerala-Specific Human Rights Issues**

#### Unit 1: Historical Context of Human Rights in Kerala

- Social reform movements in Kerala
- Influence of leaders like Sree Narayana Guru and Ayyankali
- Impact of the Kerala Renaissance on human rights

#### Unit 2: Current Human Rights Challenges in Kerala

- Rights of marginalized communities: Dalits, Adivasis, and fishermen
- Gender rights and issues: Women and LGBTQ+ community
- Environmental rights and issues: Land, water, and ecological concerns

#### Unit 3: Human Rights Initiatives and Movements in Kerala

- Role of the Kerala State Human Rights Commission
- Grassroots human rights movements and organizations
- Case studies of significant human rights interventions

### **Block 4: Contemporary Human Rights Issues and Future Challenges**

#### Unit 1: Emerging Human Rights Issues

- Digital rights and privacy concerns
- Human rights in the context of globalization
- Rights of refugees and migrants

#### Unit 2: Human Rights and Development

- Intersection of human rights and sustainable development
- Human rights-based approach to development
- Role of international development organizations

### Unit 3: Future Challenges and Opportunities

- Addressing climate change and human rights
- Strengthening global human rights mechanisms
- Advocacy and activism in the digital age

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