

# **DEPARTMENT OF ECONOMICS**

## **COURSE STRUCTURE & SYLLABI** (For the students admitted from year 2023-2024 onwards)

**Programme : B.A. Economics**



**JAMAL MOHAMED COLLEGE (AUTONOMOUS)**  
Accredited with A++ Grade by NAAC (4<sup>th</sup> Cycle) with CGPA 3.69 out of 4.0  
(Affiliated to Bharathidasan University)  
**TIRUCHIRAPPALLI – 620 020**

# B.A. ECONOMICS

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks		Total	
							CIA	ESE		
I	23U1LT1/LA1/LF1/LH1/LU1	I	Language - I		6	3	25	75	100	
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100	
	23UEC1CC1	III	Core - I	Micro Economic Analysis - I	4	4	25	75	100	
	23UEC1CC2		Core - II	Money and Banking	4	4	25	75	100	
	23UEC1AC1		Allied - I	Economic Statistics - I	4	3	25	75	100	
	23UEC1AC2		Allied - II	Marketing	4	3	25	75	100	
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100	
	Total				30	22			700	
II	23U2LT2/LA2/LF2/LH2/LU2	I	Language - II		6	3	25	75	100	
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100	
	23UEC2CC3	III	Core - III	Indian Economy	5	4	25	75	100	
	23UEC2CC4		Core - IV	Micro Economic Analysis - II	4	4	25	75	100	
	23UEC2AC3		Allied - III	Economic Statistics - II	4	3	25	75	100	
	23UEC2AC4P		Allied - IV	Computer Applications in Economics - Practical	3	2	20	80	100	
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100	
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@	
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-	
	Total				30	21			700	
III	23U3LT3/LA3/LF3/LH3/LU3	I	Language - III		6	3	25	75	100	
	23UCN3LE3	II	English - III	English for Communication - III	6	3	25	75	100	
	23UEC3CC5	III	Core - V	Micro Economic Analysis - III	4	4	25	75	100	
	23UEC3CC6		Core - VI	Industrial Economics	3	3	25	75	100	
	23UEC3AC5		Allied - V	Mathematical Applications in Economics	4	4	25	75	100	
	23UEC3AC6		Allied - VI	Human Resource Management	3	2	25	75	100	
	23UEC3GE1	IV	Generic Elective - I		2	2	-	100	100	
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100	
	Total				30	23			800	
IV	23U4LT4/LA4/LF4/LH4/LU4	I	Language - IV		6	3	25	75	100	
	23UCN4LE4	II	English - IV	English for Communication - IV	6	3	25	75	100	
	23UEC4CC7	III	Core - VII	Financial Economics	4	4	25	75	100	
	23UEC4CC8		Core - VIII	Economic Systems	4	4	25	75	100	
	23UEC4AC7		Allied - VII	Accountancy	4	4	25	75	100	
	23UEC4AC8		Allied - VIII	Econometrics	4	3	25	75	100	
	23UEC4GE2	IV	Generic Elective - II		2	2	-	100	100	
	23UCN4EL		Experiential Learning	Industrial Visit	-	2	-	100	100	
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-	
23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் -II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-		
	Total				30	26			800	
V	23UEC5CC9	III	Core - IX	History of Economic Thought	6	6	25	75	100	
	23UEC5CC10		Core - X	Macro Economics - I	5	5	25	75	100	
	23UEC5CC11		Core - XI	International Economics - I	5	5	25	75	100	
	23UEC5CC12		Core - XII	Fiscal Economics - I	5	5	25	75	100	
	23UEC5DE1A/B	IV	Discipline Specific Elective - I		5	4	25	75	100	
	23UEC5SE1		Skill Enhancement Course - I	Digital Marketing	2	1	-	100	100	
	23UEC5SE2P		Skill Enhancement Course - II	Accounting Packages - Practical	2	1	-	100	100	
	23UEC5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-	
	Total				30	27			700	
VI	23UEC6CC13	III	Core - XIII	Macro Economics - II	5	5	25	75	100	
	23UEC6CC14		Core - XIV	International Economics - II	5	5	25	75	100	
	23UEC6CC15		Core - XV	Fiscal Economics - II	5	5	25	75	100	
	23UEC6CC16		Core - XVI	Economics of Growth and Development	5	5	25	75	100	
	23UEC6DE2A/B	IV	Discipline Specific Elective - II		5	4	25	75	100	
	23UEC6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100	
	23UCN6AE3		AECC - III	Gender Studies	1	1	-	100	100	
	23UEC6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-	
	23UECECA		Extra Credit Course for all**	Online Course	-	**	-	-	-	
23UCN6ECA1	Extra Credit Course for all†		Entrepreneurship Development	-	+	-	-	-		
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills † Course for Enhancing Entrepreneurial Skills				Total	30	29			700
Grand Total						148			4400	

\* Programme Specific Online Course for Advanced Learners  
 \*\* Any Online Course for Enhancing Additional Skills  
 † Course for Enhancing Entrepreneurial Skills

## GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UEC3GE1	Fundamentals of Economics
IV	23UEC4GE2	Economics For Competitive Examinations

### # Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

### Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

## DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UEC5DE1A	Entrepreneurial Development
	23UEC5DE1B	Labour Economics
VI	23UEC6DE2A	Environmental Economics
	23UEC6DE2B	International Marketing
	23UEC6DE3A	Managerial Economics
	23UEC6DE3B	Practice of Cooperation in India

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
I	23UEC1CC1	Core - I	4	4	25	75	100
<b>Course Title</b>		Micro Economic Analysis – I					

SYLLABUS		
Unit	Contents	Hours
I	<b>Definitions of Economics</b> Definition –Need - Wealth Definition – Criticism of wealth definition- Assessment of wealth definition-Welfare definition – Merits of Marshall’s definition-criticism- Scarcity definition –Critical appraisal of Scarcity definition of Robbins- *Growth definition by Paul Samuelson*	12
II	<b>Economic Analysis</b> Features of Economic analysis-Basic Problems of an Economy – Problem of distribution Nature of Economic Analysis: Positive or Normative Science – Methods of Economic Analysis: Deductive and Inductive Method-Static and Dynamics - *Nature of Economic Laws*	12
III	<b>Scope and Functions of Micro Economics</b> Definition and scope – Importance of Micro economics- Interdependence of Micro and Macro Economics – Limitations of Micro and Macro economics (Economic paradoxes) - Market and Price Mechanism – Price Mechanism and Free Market- Functions of Price Mechanism- *Consumer’s sovereignty*	12
IV	<b>Consumer Behaviour (Cardinal Utility)</b> Marginal Utility Analysis (Cardinal utility)-Meaning of utility –utility and satisfaction- Measurement of utility. Cardinal, Ordinal utility –concepts of total utility and Marginal utility-The Law of Diminishing Marginal utility-illustration of the Law- Assumption of the Law- Exceptions to the Law- *The Law of Equi- Marginal Utility-illustration of the Law-Limitations*	12
V	<b>Cardinal Utility Analysis of Demand</b> Meaning of demand- Demand schedules and Demand curves- Market Demand Schedule- Law of demand- Factors influencing demand –Types of demand: Price demand-Income demand- Cross Demand -Causes for sloping demand curve- *Exceptions to the Law of demand*	12
VI	<b>Current Trends (For CIA only)</b> – Contemporary developments related to the course during the semester concerned.	

\*.....\* Self study

<b>Text Book(s):</b>
1. Sankaran.s Micro economics, Margham publications, 7 <sup>th</sup> edition, 2014
2. Cauvery and others, Sapna book house, 3 <sup>rd</sup> Edition, 2018.
<b>Reference Book(s):</b>
1. John kennedy.M , Himalaya publishing house,2 <sup>nd</sup> Edition, 2018
2. Jhinghan M.L, Vrinda publications, 8 <sup>th</sup> Edition, 2018.
<b>Web Resource(s):</b>
1. www. Pearsoned.co.in/dndwivedi

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Students will be able to acquire knowledge about definitions	K1
CO2	Students will be able to describe economic analysis and its problems	K2
CO3	Students will be able to demonstrate various types of utility analysis	K3
CO4	Students will be able to analyse the importance, interdependence & functions of micro economics	K4
CO5	Students will be able to validate various types of demand	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	2	2	2	2	3	2	2	2	2.2
CO2	3	2	2	1	1	3	2	3	2	1	2
CO3	1	2	3	2	3	1	3	2	2	1	2
CO4	2	2	3	2	1	3	3	3	2	2	2.3
CO5	1	3	2	2	2	1	2	2	3	2	2
Mean Overall Score											2.1
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. D.Kumar**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
I	23UEC1CC2	Core - II	4	4	25	75	100
<b>Course Title</b>		Money and Banking					

SYLLABUS		
Unit	Contents	Hours
I	<b>Evolution of Money and Monetary standards</b> Barter system and its difficulties - *Evolution of money* - Classification of money - Functions of money - Monetary standards: Features of Monometallism, Bimetallism and Gold standard - Reasons for breakdown of Gold standard - Paper currency system.	12
II	<b>Demand and Supply of Money</b> *Measures of money supply* - Factors governing money supply - Velocity of circulation of money – Value of money – System of Note issue - Classical view on demand for money - Keynesian view on demand for money.	12
III	<b>Commercial Banking</b> Meaning and Functions of Commercial Banks – Balance sheet of a Commercial Bank – Mechanism of Credit Creation – Limitations of Credit Creation – *Role of Commercial Banks in Economic Development*	12
IV	<b>Central banking</b> Principles of Central Banking – Functions of Central Bank – The Reserve Bank of India : *Organisation* and Management – Functions of RBI.	12
V	<b>Credit Control and Monetary Policy</b> *Objectives of Credit Control*– Methods of Credit Control: Quantitative and Qualitative - Monetary Policy : Objectives, Importance and Limitations.	12
VI	<b>Current Trends (For CIA only)</b> Monetary policy review-Non-performing Assets,-changes in money supply and Note issue	

\*.....\* Self study

<b>Text Book(s):</b>
1. 1. K. Nirmala Prasad Banking theory Law And Practice, Himalaya Publishing House, 1 <sup>st</sup> Edition, Reprint 2017 2.M.L Seth, Monetary Economics, Lakshmi Narain Agarwal,15 <sup>th</sup> Revised Edition 2018 3.Sankaran Monetary Economics, Margham Publications, 6 <sup>th</sup> Revised edition, 2007 4. K.N.verma Monetary system, Vishal publishing co. 1 <sup>st</sup> Edition 2012
<b>Reference Book(s):</b>
1.R.D.Gupta & R.K Lekhi Keynes Post Keynesian Economics Kalyani Publishers Revised Edition 2013 2. Pieicre and Tyson, Monetary Economics Butterwort and Co Ltd 1 <sup>st</sup> Edition 1985. 3.FredericS.Mishkin, Monetary Policy Strategy PHA Learning Pvt Ltd 1 <sup>st</sup> Edition 2007.
<b>Web Resource(s):</b>
1. www.yourarticlelibrary.com 2.ww.economicsdiscussion.com

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
CO1	Explain Money & Banking concepts.	<b>K1</b>
CO2	Explain the Central and Commercial Banks functions.	<b>K2</b>
CO3	Make use of Quantitative tools to study the Impact of money supply.	<b>K3</b>
CO4	Examine the credit creation Process.	<b>K4</b>
CO5	Discuss the System of Note issue and Control of Money supply.	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	1	2	2	3	2	2	1	1	2	1.9
<b>CO2</b>	3	2	2	2	3	2	2	1	1	2	2
<b>CO3</b>	3	3	1	2	3	2	3	1	2	3	2.3
<b>CO4</b>	2	3	1	1	2	2	3	3	2	3	2.2
<b>CO5</b>	2	2	1	1	3	2	3	1	1	2	1.8
<b>Mean Overall Score</b>											<b>2.04</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. A.J. Haja Mohideen**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
I	23UEC1AC1	Allied - I	4	3	25	75	100
<b>Course Title</b>		Economic Statistics – I					

SYLLABUS		
Unit	Contents	Hours
I	<b>Introduction to Statistics</b> Meaning; Definition; Main divisions of the study of Statistics; objectives of statistics – Statistics and Economics – Importance, Functions of Statistics and Limitations- Census Method - Sampling methods: Probability and Non Probability Sampling – *standard error*.	12
II	<b>Collection and Processing of Data</b> Collection of data – sources of data – primary and secondary – classification and tabulation – frequency distribution – diagrammatical and graphical representation of data, Importance - types - Pie diagram - Line graph - Histogram- Frequency curve - *Frequency Polygon.*	12
III	<b>Measures of Central Tendency</b> Need and Meaning; Objects; Characteristics of a good average; Measures of various order; Types of averages: Arithmetic Mean, Harmonic Mean, Geometric Mean, Median and Mode - Merits and Drawbacks - *Review of census data*.	12
IV	<b>Measures of Dispersion</b> Range, Inter Quartile Range, Semi-Inter Quartile Range, Quartile Deviation, Mean Deviation from mean and median - Standard Deviation - *merits and demerits* – Coefficient of Variation	12
V	<b>Skewness</b> Skewness: Need and meaning; Tests of skewness; Measures of skewness – Karl Pearson, Bowley and #Kelly Methods. – *Kurtosis: Meaning, importance and types*.	12

\*.....\* Self study

<b>Text Book(s):</b>
1. S.P.Gupta, Statistical Methods, Sultan Chand & Sons, 37 <sup>th</sup> Edition, 2017
<b>Reference Book(s):</b>
1. D.N. Elhance & Veena Elhance, Fundamentals of Statistics, Kitab Mahal; New Revised edition, 2018
2. N Das, Statistical Methods (Combined edition volume 1 & 2), McGraw Hill Education; 1st edition 2017
3. David R. Anderson (Author), Dennis J. Sweeney (Author), Thomas A. Williams (Author), et. al. Statistics for Business & Economics, Cengage India Private Limited; 13th edition, 2019
<b>Web Resource(s):</b>
1. <a href="http://www.yourarticlelibrary.com">www.yourarticlelibrary.com</a>
2. <a href="http://www.economicsdiscussion.com">www.economicsdiscussion.com</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	Explain statistics, sampling, population, Organize, manage and present primary data, secondary data, frequency distribution and diagrams, measures of central tendency, dispersion, skewness and kurtosis	<b>K1</b>
<b>CO2</b>	Compare and contrast the measures of central tendency and dispersion	<b>K2</b>
<b>CO3</b>	Solve Arithmetic Mean, Harmonic Mean, Geometric Mean, Median, Mode, Range, Inter Quartile Range and Semi-Inter Quartile Range.	<b>K3</b>
<b>CO4</b>	Solve Quartile Deviation, mean deviation from mean and median.	<b>K4</b>
<b>CO5</b>	Analyse data through standard deviation, skewness and kurtosis.	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	2	3	1	3	2	2	3	2	2	2	2.2
<b>CO2</b>	2	2	1	2	2	2	2	2	2	2	1.9
<b>CO3</b>	2	2	1	2	2	1	2	2	2	2	1.9
<b>CO4</b>	3	3	1	2	3	2	3	1	3	2	2.2
<b>CO5</b>	2	1	3	2	2	2	2	3	2	2	2.1
<b>Mean Overall Score</b>											<b>2.06</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. J. Mohamed Zeyavudheen**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
I	23UEC1AC2	Allied - II	4	3	25	75	100
<b>Course Title</b>		Marketing					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>Introduction to Marketing</b> Meaning of Marketing – Classification of Marketing – Objectives – Importance of Marketing – Modern Marketing – *factors influencing marketing concept*	<b>12</b>
<b>II</b>	<b>Marketing System</b> Marketing Mix – Concept of Marketing Mix – Marketing System – Marketing Process – Marketing functions – Buying, Assembling and selling - *Marketing systems of MNCs*	<b>12</b>
<b>III</b>	<b>Marketing Planning</b> Planning – features of Planning – Marketing Planning – Importance of marketing planning – Benefits of marketing Planning – Characteristics of marketing planning –*Marketing planning activities*	<b>12</b>
<b>IV</b>	<b>Promotional Programme</b> Promotional Activities – Promotion and Sales Promotion – Need, Objectives and Importance of Promotional Activities - Forms of Promotion – *Promotional Mixes and Strategies*	<b>12</b>
<b>V</b>	<b>Advertising</b> Definitions – Basic Features – Objectives – Benefits – Functions – Types - Difference between Advertising and Salesmanship – *Difference between Advertising and Sales Promotion*	<b>12</b>

\*.....\* Self study

<b>Text Book(s):</b>
1. R. S. N. Pillai & Bahavathi, Modern Marketing, S. Chand & Company, 4 <sup>th</sup> Revised Edition, 2012
<b>Reference Book(s):</b>
J. Jayasankar, Marketing, Margham Publications, 2 <sup>nd</sup> Edition, 2013
2. S. A. Sherlekar, Principles of Marketing, Himalaya Publishing House, Revised Edition, 2010
<b>Web Resource(s):</b>
1. www.yourarticlelibrary.com
2. ww.economicsdiscussion.com

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	acquire basic knowledge about marketing	K1
CO2	describe on marketing system	K2
CO3	classify the various marketing information systems and their importance.	K3
CO4	analyse the marketing and its feature	K4
CO5	describe about the Marketing & society	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
<b>CO1</b>	1	3	2	2	2	2	2	2	2	3	2.1
<b>CO2</b>	2	3	2	3	3	2	2	2	2	3	2.4
<b>CO3</b>	3	2	2	2	1	2	1	2	3	2	2
<b>CO4</b>	1	3	2	3	2	3	2	2	2	3	2.3
<b>CO5</b>	2	2	3	2	1	3	1	2	2	3	2.1
<b>Mean Overall Score</b>											<b>2.18</b>
<b>Correlation</b>											<b>Medium</b>

Mean Overall Score	Correlation
< 1.5	Low
$\geq 1.5$ and < 2.5	Medium
$\geq 2.5$	High

**Course Coordinator: Dr. K. N. Mohamed Fazil**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
II	23UEC2CC3	Core - III	5	4	25	75	100
<b>Course Title</b>		<b>Indian Economy</b>					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>Economic Transformation in India</b> Basic Characteristics of Indian Economy – Major Issues of Development - Economic Planning: Significance and Features – NITI Aayog – Objectives – Composition - Difference between Planning Commission and NITI Aayog - *Latest Recommendations of NITI Aayog*	<b>15</b>
<b>II</b>	<b>Demographic Features of India</b> Indian Population: Size and Growth Rate of Population– Sex Composition – Age Composition – Density of Population - Demographic Dividend - Good and Bad effects of rising population in India - National Population Policy in recent years - *Census Reports*	<b>15</b>
<b>III</b>	<b>Poverty and Unemployment</b> Poverty – Absolute Poverty and Relative Poverty – Poverty Line – Causes of Poverty in India – Measures for Removal of Poverty in India - Nature and causes of Unemployment in India – Recent Estimates - Various Schemes to reduce Unemployment in India - *Government’s Unemployment Reports*	<b>15</b>
<b>IV</b>	<b>Agriculture, Industry and Service Sector</b> Place of Agriculture in the National Economy – Land Reforms in India–Food Security measures in India- Policies for Sustainable Agriculture - Role of Industries in Indian Economic Development – Problems and Obstacles in Industrial Development – Growth and Importance of Service Sector in India – *Role of IT companies in Service Sector*	<b>15</b>
<b>V</b>	<b>Economic Reforms</b> Economic Crisis of India during early 1990s-Macro Economic Reforms since 1991 – Liberalisation, Privatisation and Globalisation – Impact of LPG –Objectives of Digital India - *Make in India*	<b>15</b>
<b>VI</b>	<b>Current Trends (For CIA only) – Recent Population Census, Periodical Unemployment Estimates</b>	

\*.....\* Self study

<b>Text Book(s):</b>
1. R.K. Lekhi&Joginder Singh, The Economics of Development and Planning, Kalyani Publishers, 18 <sup>th</sup> Edition, 2015 2. A N Agarwal & M.K. Agarwal, Indian Economy Developmental Problems and Policies, New Age International Publishers, 44 <sup>th</sup> Edition, 2023 3. Gaurav Datt&Ashwani Mahajan, Indian Economy, S Chand Publishing, 72 <sup>nd</sup> Edition, 2020
<b>Reference Book(s):</b>
1. H.L. Ahuja, Development Economics A Critical Study of Economic Growth Development and Environment, S Chand Publishing, 1 <sup>st</sup> Edition, Reprint 2022 2. A. N. Agarwal & M.K. Agarwal, Indian Economy Developmental Problems and Policies, New Age International Publishers, 44 <sup>th</sup> Edition, 2023 3. I. C. Dhingra, The Indian Economy Environment and Policy, Sultan Chand & Sons, 30 <sup>th</sup> Edition, 2019
<b>Web Resource(s):</b>
1. <a href="https://www.indianeconomy.net/">https://www.indianeconomy.net/</a> 2. <a href="https://mostlyeconomics.wordpress.com/">https://mostlyeconomics.wordpress.com/</a> 3. <a href="https://www.ibef.org/">https://www.ibef.org/</a>

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Define the important factors affecting Indian economic development	K1
CO2	Explain the features of economic reforms.	K2
CO3	Identify major issues in Indian economic development.	K3
CO4	Analyze the population census and unemployment estimates of India.	K4
CO5	Evaluate the implementation of policies related to population control, poverty alleviation, unemployment reduction and agricultural land reforms	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	2	2	2	3	3	2	2	2	2.3
CO2	2	2	3	3	2	2	3	2	2	2	2.3
CO3	2	2	2	1	2	1	3	3	3	2	2.1
CO4	3	2	2	1	2	2	2	2	2	2	2.0
CO5	3	3	2	2	3	3	1	3	2	2	2.4
Mean Overall Score											2.2
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Mr. A. M. Z. Mohammed Arsath Ali**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
II	23UEC2CC4	Core - IV	4	4	25	75	100
<b>Course Title</b>		Micro Economic Analysis – II					

SYLLABUS		
Unit	Contents	Hours
I	<b>Elasticity of Demand and Supply</b> Meaning and Definition of Elasticity of Demand and Inelastic Demand – Types - Price Elasticity - Measurement of Elasticity of Demand – Total Outlay or Total Expenditure Method, Point Method and Arch Method – Income Elasticity and Cross Elasticity of Demand – Meaning of Supply – Supply Schedule – Law of Supply – Supply Curve – Elasticity of Supply and its Measurements – *Consumer's Surplus*	12
II	<b>Consumer Behaviour (Ordinal utility)</b> Indifference Curve Analysis- Scale of Preference – Assumptions – Indifference Schedule - Indifference Curves - Indifference Curve Map - Properties of Indifference Curve – Marginal Rate of Substitution – Budget Line and Consumer Equilibrium – Changes of Consumer Equilibrium – Economic Effects on the Consumer Equilibrium – Price Effect, Income Effect and Substitute Effect - *Revealed Preference Theory*	12
III	<b>Theory of Production Laws</b> The Law of Diminishing Returns: Definition - Assumptions – Causes. Law of increasing returns: Definition and Causes. Law of constant returns: Definition and Causes. The Modern Approach to the Laws of Returns – The Law of Variable Proportions – *Three Phases of the Law of variable proportion*	12
IV	<b>Production Function and Returns to Scale</b> The production function - Assumptions of production function - Returns to scale - Difference between Laws of Returns and returns to scale -Three phases of Returns to scale - Increasing returns to scale - Constant returns to Scale - Decreasing returns to scale - *Optimum factor combination principle (optimum combination)*	12
V	<b>Scale of Production</b> Specialisation of Labour – Advantages – Disadvantages – Limitations- Economies of scale- Scale of production-Internal economies of large scale production-External economies –*Advantages and Disadvantages of Small scale and Large scale production*	12
VI	<b>Current Trends (For CIA only)</b> – Contemporary developments related to the course during the semester concerned.	

\*.....\* Self study

<b>Text Book(s):</b>
1. Sankaran.s Micro economics, Margham publications, 7 <sup>th</sup> Edition, 2014 2. Cauvery, Sapna book house, 3 <sup>rd</sup> Edition, 2018.
<b>Reference Book(s):</b>
1. John kennedy.M , Himalaya publishing house, 2 <sup>nd</sup> Edition, 2018 2. Jhinghan M.L, Vrinda publications, 8 <sup>th</sup> Edition 2018
<b>Web Resource(s):</b>
1. www. Pearsoned.co.in/dndwivedi

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Describe elasticity of demand and supply	K1
CO2	Interpret indifference curve and revealed preference theory	K2
CO3	Demonstrate production law	K3
CO4	Analyse the production function and production laws	K4
CO5	Assess the scale of production and its advantages and disadvantages	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	1	2	3	2	1	2	3	3	2	1	2
CO2	2	3	2	3	2	2	3	1	2	2	2.2
CO3	3	2	2	1	1	2	2	3	3	2	2.1
CO4	1	3	2	3	2	2	2	3	2	3	2.3
CO5	2	2	3	2	1	3	1	2	2	3	2.1
Mean Overall Score											2.14
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. D.Kumar**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
II	23UEC2AC3	Allied - III	4	3	25	75	100
<b>Course Title</b>		Economic Statistics – II					

SYLLABUS		
Unit	Contents	Hours
I	<b>Association of Attributes</b> Association of Attributes - Difference between Actual and Observed frequencies - Proportion method - Contingency tables - Methods of studying association - Yule's Co-efficient of association - *Co-efficient of Colligation*.	12
II	<b>Correlation and Regression</b> Scatter diagram - Karl Pearson's Co-efficient of correlation - Spearman's Rank Correlation Co-efficient(two and three variables)- simple linear regression analysis - *Uses of Multiple linear regression*	12
III	<b>Index Numbers</b> Characteristics of index numbers - uses and types - methods of constructing index numbers: Laspeyre's, Paache's, Fisher's, Marshall - Edgeworth's, Bowley's index numbers - Factor Reversal Test and Time Reversal Test - Cost of living index number - *IIP, Index of Agricultural Production*	12
IV	<b>Time Series</b> Concept of time series - components of time series - measurement of trend - graphical method - semi-average method - method of moving averages - Least square method - *time series regression*	12
V	<b>Probability</b> Definitions: Mathematical and Statistical Definitions - Equally likely events - Mutually Exclusive events - Dependent and Independent events - Addition theorem of probability- multiplication theorem of probability. *Combinations and Permutations* (Simple problems only)	12

\*.....\* Self study

<b>Text Book(s):</b>
1. S.P.Gupta, Statistical Methods, Sultan Chand & Sons, 37 <sup>th</sup> Edition, 2017
<b>Reference Book(s):</b>
1. D.N. Elhance & Veena Elhance, Fundamentals of Statistics, Kitab Mahal; New Revised edition, 2018
2. N Das, Statistical Methods (Combined edition volume 1 & 2), McGraw Hill Education; 1st edition, 2017
3. David R. Anderson (Author), Dennis J. Sweeney (Author), Thomas A. Williams (Author), et. al. Statistics for Business & Economics, Cengage India Private Limited; 13th edition, 2019
<b>Web Resource(s):</b>
1. <a href="http://www.yourarticlelibrary.com">www.yourarticlelibrary.com</a>
2. <a href="http://ww.economicdiscussion.com">ww.economicdiscussion.com</a>

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level(K-Level)
CO1	Explain nominal and ordinal data, attributes, correlation, regression, index number, time series and probability.	K1
CO2	Compare scale, nominal and ordinal data for relevant inferential statistics.	K2
CO3	Solve association of attributes, correlation,	K3
CO4	Solve index numbers, time series and probability.	K4
CO5	Analyse correlation, regression, time series data.	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	1	2	3	2	1	2	3	3	2	1	2
CO2	2	3	2	3	2	2	3	1	2	2	2.2
CO3	3	2	2	1	1	2	2	3	3	2	2.1
CO4	1	3	2	3	2	2	2	3	2	3	2.3
CO5	2	2	3	2	1	3	1	2	2	3	2.1
Mean Overall Score											2.14
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. J. Mohmed Zeyavudheen**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
II	23UEC2AC4P	Allied - IV	3	2	20	80	100
<b>Course Title</b>		Computer Applications in Economics - Practical					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>Ms Office Word</b> Introduction to word - Formatting text and documents - Working with header and footers, foot notes – Tabs - Tables and Sorting - Menus - *Mail Merge*. Exercise: 1. Preparation of bio-data. 2. Formatting Documents for newspaper (model). 3. Mail Merge. 4. *Creation of mathematical and Statistical formulae using Formula Editor*.	<b>9</b>
<b>II</b>	<b>Ms Office Power Point</b> Power Point Basics - Editing Text - Deleting Slides - Working In Outlines View - Using Design Templates - Adding Graphics - Adding Organization Charts - Running Slide Show - *Adding Special Effects*. Exercise: 1. Preparation of Power Point Slide With the Subject Matter of Economics. 2. Preparation of Chart and Table Using Animation Scheme. 3. *Preparation of Union Budget Power Point Slides*.	<b>9</b>
<b>III</b>	<b>Ms Office Excel</b> Introduction to Excel - Rearranging worksheets - Formatting work sheets - Functions Excel chart Features - Working with Functions-Statistical - Math- *Financial functions*. Exercise: 1. Calculation of mean, median, mode and standard deviation. 2. Insertion of the line, pie, bar, column and scatter charts. 3. Calculation of Correlation. 4. *Compute the India's trade difference*.	<b>9</b>
<b>IV</b>	<b>Introduction to SPSS</b> Defining variable - data base creation - calculation of descriptive statistics, correlation and regression – *graphs, scatter charts using SPSS*. Exercise: 1. Data Base Creation. 2. Calculation of Descriptive Statistics. 3. Calculation of Correlation. 4. Calculation of Regression. 5. *Graphs and Scatter plots using SPSS*.	<b>9</b>
<b>V</b>	<b>Applications in Economics</b> Calculation of GDP, BOP components, SGDP, Per capita income, Compute relationship between India's macroeconomic aggregates. Exercise: 1. Average of decadal growth rates, minimum and maximum values of Domestic Products of the Indian states. 2. Calculation of sums of GDP components. 3. Calculation of median, mode and standard deviation of domestic products of the Indian states. 4. Calculation of Correlation between India's public income, expenditure and debt. 5. *Calculation of Regression between BOP components*.	<b>9</b>

\*.....\* Self study

<b>Text Book(s):</b>
1.S.V. Srinivasa Vallabhan, Computer Applications in Business, Sultan Chand & Sons, New Delhi, 3 <sup>rd</sup> Edition, Reprint, 2011
2.Dr.K.Dhanasekaran, Computer Applications in Economics, Vrinda Publications (P) Ltd, Delhi, 1 <sup>st</sup> Edition 2010.
<b>Reference Book(s):</b>
1.Eric L. Etinspruch, An Intermediate Guide to SPSS for Windows, SAGE Publications, Inc, New Delhi, 2 <sup>nd</sup> Edition, 2005.
2. Sanjay Saxena, MS Office 2007 in A Nutshell, Vikas Publishing, Noida, Revised Edition, 2011.
3.James B. Cunningham & James O. Aldrich, Using SPSS An Interactive Hands-On Approach, SAGE Publications, Inc, New Delhi, South Asia Edition, 2012.
<b>Web Resource(s):</b>
1.www.microsoft.com/tutorial
2.www.spss.com/tutorial

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	Understand the basic functions of menus of the MS Word.	<b>K1</b>
<b>CO2</b>	Apply the subject theme of MS Power point slides.	<b>K2</b>
<b>CO3</b>	Analyze the skill in data processing and calculating in Excel.	<b>K3</b>
<b>CO4</b>	Estimate the statistical tools using SPSS.	<b>K4</b>
<b>CO5</b>	Evaluate the use of SPSS in macro-economic variables.	<b>K5</b>

#### Relationship Matrix:

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	2	3	2	2	3	3	2	2	3	2	2.4
<b>CO2</b>	2	3	2	2	3	3	2	2	3	2	2.4
<b>CO3</b>	2	3	2	2	3	2	2	2	3	2	2.3
<b>CO4</b>	2	2	2	2	3	3	2	2	3	2	2.3
<b>CO5</b>	2	2	2	2	3	3	2	3	3	2	2.4
<b>Mean Overall Score</b>											<b>2.4</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr.B. Mohamed Rafeeq**

Semester	Course Code	Course Category	Hours/Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UEC3CC5	Core – V	4	4	25	75	100
<b>Course Title</b>   Micro Economic Analysis – III							
<b>SYLLABUS</b>							
Unit	Contents						Hours
<b>I</b>	<b>Theory of Product Pricing</b> Theory of Value - Market forms – Classification of markets – Size of Market - Time element in Marketing – Distinction between Normal Price and Market Price – Market Morphology – Cost and Revenue: Various Costs and Revenue Concepts – Short and Long Run Cost Curves – Average Revenue and Marginal Revenue Curves - *Equilibrium of the firm and industry *						<b>12</b>
<b>II</b>	<b>Perfect Competition</b> Definition of Perfect Competition – Features and conditions – Price Determination Under Perfect Competition - Equilibrium price – Short Period Equilibrium – *Long Period Equilibrium*						<b>12</b>
<b>III</b>	<b>Monopoly and Price Discrimination</b> Definition and Meaning of Monopoly – Kinds of Monopoly – Monopoly Power – Determination of Price in Monopoly – Price–Output Determination – Price Discrimination – Types of Discrimination – Degrees of Price Discrimination – Conditions of Price Discrimination - *Price Discrimination under Dumping*						<b>12</b>
<b>IV</b>	<b>Monopolistic Competition and Oligopoly</b> Monopolistic Competition – Meaning – Assumptions and Features – Price Determination under Monopolistic Competition – Selling Cost – Price – Output Equilibrium under Selling Cost-Oligopoly – Features – Classification – Pricing under Oligopoly – Duo Poly (Concept) – *Bilateral Monopoly(Concept)*						<b>12</b>
<b>V</b>	<b>Distribution Theory</b> Functional and personal distribution – Marginal Productivity theory of distribution – Product Exhaustion Theorem – *Concepts of VMP and MRP*						<b>12</b>
<b>VI</b>	<b>Current Trends (For CIA only)</b> – Contemporary developments related to Micro Economics during the semester concerned.						

\*.....\* Self study

<b>Text Book(s):</b>
1. Sankaran.s Micro economics, Margham publications, 7 <sup>th</sup> Edition, 2014 2. Cauvery and others, Sapna book house, 4 <sup>th</sup> Edition, 2018.
<b>Reference Book(s):</b>
1. John kennedy.M , Micro Economics, Himalaya publishing house, 4 <sup>th</sup> Edition, 2018 2. Jhinghan M.L, Micro Economics, Vrinda publications, 8 <sup>th</sup> Edition 2018
<b>Web Resource(s):</b>
1. UGC MOOCs: Micro economics analysis and Policy, <a href="https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/720">https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/720</a> 2. www. Pearsoned.co.in/dndwivedi

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Describe and discuss about product pricing	K1
CO2	Identify the price determination under perfect competition	K2
CO3	Demonstrate monopoly and price discrimination	K3
CO4	Examine price determination under monopolistic competition	K4
CO5	Interpret factor pricing	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	1	3	2	2	2	2	2	2	2	3	2.1
CO2	2	3	2	3	3	2	2	2	2	3	2.4
CO3	3	2	2	2	1	2	1	2	3	2	2
CO4	1	3	2	3	2	3	2	2	2	3	2.3
CO5	2	2	3	2	1	3	1	2	2	3	2.1
Mean Overall Score											2.18
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. D.Kumar**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UEC3CC6	Core - VI	3	3	25	75	100
<b>Course Title</b> Industrial Economics							

SYLLABUS		
Unit	Contents	Hours
I	<b>Introduction</b> Industry: Definition, Classification and types – Characteristics of Modern Industry – Determinants of Industrial Growth – Industrial Growth in India – Make in India initiative – *National manufacturing policy*	9
II	<b>Micro, Small and Medium Enterprises</b> Meaning – role of MSMEs – problems of MSMEs – remedial measures – new MSMEs policy –Problems of Start Up Industries - public sector enterprises – characteristics features and benefits from public enterprises – private enterprises – characteristics of private enterprises – *advantages and disadvantages of private enterprises*	9
III	<b>Industrialisation</b> Industrialisation: Meaning, Characteristics and Pattern– Role of Industrialization – Problems of Industrialisation – Industrialization in India – Changes in Government Policy – Industrialisation and Economic Development – *Digital Revolution*	9
IV	<b>Industrial Productivity</b> Industrial Productivity: Meaning, Definition and Tools – Factors Influencing Productivity – Significance of Productivity – Defects in Measurement of Productivity – Industrial Technology – *Improving the Production Technique*	9
V	<b>Rationalisation in Industry</b> Concept and Definition – Aspects of Rationalisation – Benefits of Rationalisation: Benefits to Producers – Workers – Consumers and Nation – Rationalisation and Scientific Management – Rationalisation and Automation – *Rationalisation in India*	9
VI	<b>Current Trends *(For CIA only)</b> – Contemporary developments related to industrial developments during the semester concerned.	

\*.....\* Self study

<b>Text Book(s):</b>
1. Renjana Seth, Industrial Economics, Ane Books Pvt. Ltd, 1 <sup>st</sup> Edition 2015. 2. A.K. Sharma, Industrial Economics, Anmol Publications, 1 <sup>st</sup> Edition 2006.
<b>Reference Book(s):</b>
1. John Weiss, The Economics of Industrial Development, Routledge, 2011 2. Kuchhal, S. C. Industrial Economy of India, Chaitanya Publishing House, Allahabad, 1980 3. Dhingra I.C and Nitin Dhingra, Industrial Economics, Book Age Publications, 2013
<b>Web Resource(s):</b>
1. www.yourarticlelibrary.com 2. www.economicsdiscussion.com

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Understand the importance of Industrial Economics	K1
CO2	Examine theories of industrial Location	K2
CO3	Review the relevance of Industrial Policies	K3
CO4	Describe the Industrial belts of the World and India	K4
CO5	Analyse the Industrial Trends in the Indian Economy.	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	2	2	1	1	3	2	2	2	2.0
CO2	2	3	3	1	1	3	3	2	2	1	2.1
CO3	1	3	3	3	2	2	3	3	2	2	2.4
CO4	2	2	2	3	2	3	3	2	3	3	2.5
CO5	1	3	3	2	2	1	2	3	2	2	2.1
Mean Overall Score											2.2
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. J. Khader Shareif**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UEC3AC5	Allied - V	4	4	25	75	100
<b>Course Title</b>   Mathematical Applications in Economics							

SYLLABUS		
Unit	Contents	Hours
I	<b>Introduction</b> Variables, Constants, Equations and its types – Uses and limitations of Mathematics in Economics- Straight line – two point, Slope – Point, Intercept Slope and Two intercepts, slope point and intercept formula – Application to Demand and supply functions – equilibrium price and quantity - Quadratic equations and solution - Applications in Economics.	12
II	<b>Differentiation</b> Meaning of Functions – differentiation - rules of differentiation – I order and II order differentiation - * Chain Differentiation* - Average cost – Marginal cost – average revenue – Marginal revenue - Maximization of profit and minima of cost - *Elasticity of Demand*.	12
III	<b>Partial Differentiation</b> Technique of partial differentiation - I order and II order partial differentiation (Brief treatment only) - Two product firms – average cost, marginal cost, average revenue, marginal revenue, profit functions.	12
IV	<b>Integration</b> Definition - Rules of integration – Constant of Integration - Simple problems only - Total cost and Total Revenue (integration)	12
V	<b>Matrix Algebra and Determinants</b> Types of Matrices- Matrix Operations – Addition – Subtraction- Matrix Multiplication – Transpose –Determinants, Inverse and Properties (Problems). *Meaning of Input-Output Model*	12
VI	<b>Current Trends *(For CIA only)</b> – Contemporary developments related to the Mathematical Applications for Economics	

\*.....\* Self study

<b>Text Book(s):</b>
1. Mehta B.C. and Madnani G.M.K.: Mathematics for Economists, Sultan Chand & Sons, 9 <sup>th</sup> Edition, Reprint 2013
2. D. Bose, An Introduction to Mathematical Methods, Himalaya Publishing House, 1st Edition, Reprint 2017
<b>Reference Book(s):</b>
1. Allen, R.G.D.: Mathematical Analysis for Economists, MacMillan and Company Limited, 4 <sup>th</sup> Edition, 2015
2. Chiang. A.C: Fundamental Methods of Mathematical Economics, McGrawhill Education, 4 <sup>th</sup> Edition, 2017
3. Yamane, Taro: Mathematics for Economists, Prentice Hall Publication, 2nd Edition, 2009 3.
<b>Web Resource(s):</b>
1. 1. Swayam course: mathematical economics, <a href="https://swayam.gov.in/nd2_ugc19_hs41/preview">https://swayam.gov.in/nd2_ugc19_hs41/preview</a>
2. <a href="https://www.coursera.org/learn/mathematics-for-economists">https://www.coursera.org/learn/mathematics-for-economists</a>
3. <a href="https://mitpress.mit.edu/9780262294805/mathematics-for-economics/">https://mitpress.mit.edu/9780262294805/mathematics-for-economics/</a>
4. <a href="https://hummedia.manchester.ac.uk/school/soas/economics/pg/psmaths/pre-sessionmathbook.pdf">https://hummedia.manchester.ac.uk/school/soas/economics/pg/psmaths/pre-sessionmathbook.pdf</a>
5. <a href="https://mitpress.mit.edu/9780262046626/mathematics-for-economics/">https://mitpress.mit.edu/9780262046626/mathematics-for-economics/</a>

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Explain straight line equation, quadratic equation, demand and supply, marginal concepts and matrices.	K1, K2
CO2	Convert real time data to functions through formula.	K3
CO3	Compute minimisation and maximization conditions.	K3
CO4	Gain knowledge of the rules of Differentiation and integration & its Economic Applications	K4
CO5	Gain knowledge of the arithmetic operations and compute determinants and inverse.	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	2	3	2	2	2	2	2	2	3	2	2.3
CO2	2	3	2	2	2	2	2	2	2	2	2.1
CO3	2	3	1	2	1	3	3	2	2	2	2.1
CO4	2	2	2	2	2	2	2	1	2	2	1.9
CO5	2	3	2	2	3	2	2	3	3	2	2.4
Mean Overall Score											2.16
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
$\geq 1.5$ and < 2.5	Medium
$\geq 2.5$	High

**Course Coordinator: Dr. J. Mohamed Zeyavudheen**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UEC3AC6	Allied - VI	3	2	25	75	100
<b>Course Title</b>		Human Resource Management					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>Basics of Human Resource Management</b> Definition – Characteristics – Objectives – Scope – Functions – Importance – Evolution of the concept of Human Resource Management – Role of Human Resource managers – Qualities of Human Resource Managers – *Challenges to HRM*	<b>9</b>
<b>II</b>	<b>Human Resource Planning</b> Human Resource Planning: Definition – Objectives – Need and importance – Process of Human Resources Planning: Analysing Organisational Plans – Forecasting Demand – Forecasting Supply – Estimating man power gaps – Action Planning – Monitoring and control. Levels of HR Planning – Problems in HR Planning – Guidelines for effective HR Planning. *Benefits of HR Planning*	<b>9</b>
<b>III</b>	<b>Qualitative Manpower Requirements</b> Job Analysis: Techniques of Job analysis – Steps in job analysis. Job Description - Job Design – Recruitment: Definition – Direct and indirect methods – Third party methods of Recruitment. * Uses of Job analysis Information* - Selection, Placement and Induction (concepts only)	<b>9</b>
<b>IV</b>	<b>Training and Development</b> Training: Meaning and definition – Training and Development – Purpose of Training – Process of Training - Methods and techniques of Training and Development – Evaluation of Training programme. *Internet based Training*	<b>9</b>
<b>V</b>	<b>Performance Monitoring and Appraisal</b> Introduction to Performance Appraisal: Concept and Objectives - Job Performance: Measurement, Validity and Reliability - Methods of Performance Appraisal - Benefits of Performance Appraisal * Performance Appraisal and Performance Management*	<b>9</b>
<b>VI</b>	<b>Current Trends *(For CIA only)</b> – Contemporary developments related to the course during the semester concerned.	

\*.....\* Self Study

<b>Text Book(s):</b>
<ol style="list-style-type: none"> <li>1. Gurpreet Randhawa – Human Resource Management , Atlantic Publishers &amp; Distributors (P) Ltd, 2023</li> <li>2. R S Dwivedi – A Text Book of Human Resource Management, Vikas Publishing House, 2007</li> <li>3. C. B. Gupta – Human Resource Management Sulthan Chand&amp;Sons, 2018</li> </ol>
<b>Reference Book(s):</b>
<ol style="list-style-type: none"> <li>1 Gary Dessler – Human Resource Management, PHI Learning Private Limited, Eleventh Edition, 2009</li> <li>2. Aquinas P G - Human Resource Management, Vikas Publishing House Pvt Ltd, 2006</li> </ol>

<b>Web Resource(s):</b>
1. <a href="https://www.careers360.com/university/indira-gandhi-national-open-university-new-delhi/ts-7-human-resource-development-certification-course">https://www.careers360.com/university/indira-gandhi-national-open-university-new-delhi/ts-7-human-resource-development-certification-course</a> 2. <a href="https://onlinecourses.swayam2.ac.in/cec23_mg02/preview">https://onlinecourses.swayam2.ac.in/cec23_mg02/preview</a> 3. <a href="https://onlinecourses.swayam2.ac.in/cec21_mg06/preview">https://onlinecourses.swayam2.ac.in/cec21_mg06/preview</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
CO1	Acquire the knowledge on the basics of Human Resource Management.	<b>K1</b>
CO2	Identify the steps in the formulation of Human Resource Policies.	<b>K2</b>
CO3	Demonstrate the process of Human Resource Planning.	<b>K3</b>
CO4	Describe the quality aspects of manpower requirements	<b>K4</b>
CO5	Evaluate the methods and techniques of Human Resource Training	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	2	1	1	3	2	2	2	2.0
<b>CO2</b>	2	3	3	1	1	3	3	2	2	1	2.1
<b>CO3</b>	1	3	3	3	2	2	3	3	2	2	2.4
<b>CO4</b>	2	2	2	3	2	3	3	2	3	3	2.5
<b>CO5</b>	1	3	3	2	2	1	2	3	2	2	2.1
<b>Mean Overall Score</b>											<b>2.22</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. A. Khan Mohamed**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UEC3GE1	Generic Elective - I	2	2	-	100	100
<b>Course Title</b> Fundamentals of Economics							

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>Definition and Branches of Economics:</b> Nature and scope of Economics – Definition of Economics: Adam Smith-Marshall– Robbins –Samuelson – Branches of Economics: Micro & Macro Economics – Monetary Economics – Financial Economics – International Economics – Fiscal Economics – Industrial Economics – Labour Economics – Managerial Economics – Environmental Economics – Development Economies - *Regional Economics*	<b>6</b>
<b>II</b>	<b>Demand and Supply Analysis:</b> Utility –Need – Want - Demand – Law of Demand – Exceptions to Law of Demand Elasticity of Demand – Marginal utility – Supply –*Elasticity of Supply*	<b>6</b>
<b>III</b>	<b>Production Analysis:</b> Meaning of production – factors of production – production function – opportunity cost – fixed cost – variable cost – marginal cost – *Difference between Cost and Price*	<b>6</b>
<b>IV</b>	<b>Market Structures:</b> Meaning of market – Perfect competition- Monopoly – Monopolistic competition – oligopoly – *Price Discrimination.*	<b>6</b>
<b>V</b>	<b>Macro-Economic Concepts:</b> Inflation – Deflation - Monetary Policy – fiscal policy – Balance of Payment – *Trade Cycle*	<b>6</b>
<b>VI</b>	<b>Current Trends * (For CIA only)</b> – Contemporary developments related to economics and contribution of Nobel laureates in economics.	

\*.....\* Self Study

<b>Text Book(s):</b>
1. Ahuja H.L: Advanced Economic Theory, Micro Economic Theory, Micro economic analysis, S. Chand Company limited, 17th Edition, 2018. 2. Sankaran.s Micro economics, Margham publications, 7th edition, 2014 3. Sudio Choufhuri & Anindya Sen, Economics, Tata McGraw Hill Education, 19 <sup>th</sup> Edition, 2010
<b>Reference Book(s):</b>
1. N Gregory Mankiv, Principles of Economics, Cengage, 8 <sup>th</sup> Edition, 2022 2. M.L. Seth, Principles of Economics, Lakshmi Narain Agarwal, Educational Publishers, 2017
<b>Web Resource(s):</b>
1. NPTEL Course: Principles Of Economics by Prof. Sabuj Kumar Mandal, IIT Madras, <a href="https://onlinecourses.nptel.ac.in/noc23_ec06/preview">https://onlinecourses.nptel.ac.in/noc23_ec06/preview</a> 2. UGC MOOCs: Fundamentals of Macroeconomic Theory, <a href="https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/642">https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/642</a> 3.Stanford Online Course: Principles of Economics, Stanford School of Humanities and Sciences, <a href="https://online.stanford.edu/courses/sohs-yeconschool-principles-economics">https://online.stanford.edu/courses/sohs-yeconschool-principles-economics</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
CO1	Facilitate with fundamentals of economics.	<b>K1</b>
CO2	Integrate the knowledge about demand and supply.	<b>K2</b>
CO3	Understand the basic concepts in productions and cost.	<b>K3</b>
CO4	Ability to know the market structure.	<b>K4</b>
CO5	Analyse the concepts in macroeconomics.	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	2	2	3	3	2	2	2	2.3
<b>CO2</b>	2	2	3	3	2	2	3	2	2	2	2.3
<b>CO3</b>	2	2	2	1	2	1	3	3	3	2	2.1
<b>CO4</b>	3	2	2	1	2	2	2	2	2	2	2.0
<b>CO5</b>	3	3	2	2	3	3	1	3	2	2	2.4
<b>Mean Overall Score</b>											<b>2.2</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Mr. A. M. Z. Mohammed Arsath Ali**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
IV	23UEC4CC7	Core - VII	4	4	25	75	100
Course Title		Financial Economics					
SYLLABUS							
Unit	Contents						Hours
I	<b>Introduction to Financial Economics</b> Financial Economics: Definition - Concepts – Growth - Financial Markets: Structure and Functions. Functions and Role of SEBI. * Problems in Indian Financial Market *						12
II	<b>Primary Market</b> Primary Market - Public Issue of Shares - Issue of Shares at Par and at Premium - Right Issue of Shares -Issue of Bonus Shares - Underwriting of Shares - Merchant Banks - Foreign Institutional Investors – Domestic institutional investors. * Mutual Funds *						12
III	<b>Secondary Market</b> Stock Exchanges - Functions - Listing of Securities – Dealers in Stock Exchange – NSE, BSE, CSDL and MCX. *Exchange Traded Funds*						12
IV	<b>Derivatives Market</b> Derivatives: Meaning – Types – functions - Instruments – Participants – Advantages and Disadvantages. Difference Between commodity and financial derivatives – Evolution of commodity Exchanges – *Global derivatives exchanges*.						12
V	<b>Equity And Commodity Transaction Procedures</b> Types of Accounts needs to make transaction in securities Market – Buying and selling process of shares – Clearing and Settlement System – Legal and Regulatory Environment – Accounting and Taxation - *Secondary market share return calculations*.						12
VI	<b>Current Trends *(For CIA only)</b> – Contemporary developments related to the course during the semester concerned.						

Observation note to record and analyse NSE, BSE Indices and secondary market prices of any one listed company

\*..... \* self-study

<b>Text Book(s):</b>
1.P.N. Varshney & D.K. Mittal: Indian financial System, Sulthan chand & Sons, Twelfth Revised Edition, 2010. 2Frank J. Fabozzi & Franco Modigliani: Capital Markets Institution & Instruments, Prentice Hall of India Pvt Ltd, Third Edition 2006. 3.Don M.chance: An introduction to derivatives and Risk Management, Cengage Learning, Sixth Edition. July 2003.
<b>Reference Book(s):</b>
1. Dr. Punithavathy Pandian: Financial Services and Markets, Vikas publishing house, Reprinted 2011. 2. R.M Srivastava: Financial Management, Himalaya Publishing House, Sixth Edition, 2013. 3. Rene M.stulz Risk: Management and Derivatives, Cengage South - Western, First Edition, 2003.
<b>Web Resource(s):</b>
1.www.yourarticlelibrary.com 2.www.economicdiscussion.com 3. Commodity Market Module – National Stock Exchange ltd.

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
CO1	Understand the Meaning and concepts of financial Economics.	<b>K1, K2</b>
CO2	Classify securities market and instruments.	<b>K3</b>
CO3	Use the securities market functioning procedure.	<b>K3</b>
CO4	Appraise the functions of institutions operating in the securities market.	<b>K4</b>
CO5	Calculate returns from secondary market transactions.	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	2	3	2	2	2	2	2	2	3	2	2.3
<b>CO2</b>	2	3	2	2	2	2	2	2	2	2	2.1
<b>CO3</b>	2	3	1	2	1	3	3	2	2	2	2.1
<b>CO4</b>	2	2	2	2	2	2	2	1	2	2	1.9
<b>CO5</b>	2	3	2	2	3	2	2	3	3	2	2.4
<b>Mean Overall Score</b>											<b>2.16</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. M. A. Raja Mohamed.**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
IV	23UEC4CC8	Core - VIII	4	4	25	75	100
<b>Course Title</b> Economic Systems							

SYLLABUS		
Unit	Contents	Hours
I	<b>Introduction</b> Economic System: Meaning, Functions, Features and Classification - Different Types of Economic Systems and Their Broad Features - Incentives in Different Economic Systems - *Efficiency of Economic System*	12
II	<b>Capitalist Mode of Production</b> Rise of Capitalism - Laissez faire capitalism: Meaning, Features, merits, demerits of Laissez faire capitalism - Regulated capitalism – *capitalism and technological progress*	12
III	<b>Socialist Mode of Production</b> Evolution of Socialism - Utopian socialism – Marxian Scientific Socialism – Market Socialism – Central Planning and Decentralization – Reforms in Eastern Europe – *Broad Features of India's socialist pattern*	12
IV	<b>Mixed Economy and Convergence Thesis</b> Meaning, Definitions - Features of Mixed Economy– Merits and demerits of Mixed Economy – Conditions necessary for the success of Mixed Economy – Role of Public Sector in India – Factors Responsible for Privatization. Privatisation in India - Convergence Thesis - Convergence of Capitalism and Communism- *Emerging Economic System*.	12
V	<b>Indian Thinking on Economic System</b> Meaning, principles, and appraisal of Gandhian trusteeship economy – Sarvodaya philosophy and its limitations – Socialistic thinking of Jawaharlal Nehru – Features of Nehruvian socialism – Ram Manohar Lohia's views on socialism – Ideas of Jaya Prakash Narayan. - *Economic system in India since 1991*	12
VI	<b>Current Trends *(For CIA only)</b> – Contemporary developments related to the economic systems during the semester concerned.	

\*..... \* self-study

<b>Text Book(s):</b>
1. S.S.M. Desai and Mrs. Nirmal D. Bhalerao, Himalaya Publishing House, 2012
<b>Reference Book(s):</b>
1 Barry Clark , The Evolution of Economic Systems – Varieties of Capitalism in the Global Economy, Oxford Economic Press, 2016
2. Dr. K.K. Sen, Comparative Economic System Sulthan Chand & sons 2003
<b>Web Resource(s):</b>
1. <a href="https://open.lib.umn.edu/sociology/chapter/13-2-types-of-economic-systems/">https://open.lib.umn.edu/sociology/chapter/13-2-types-of-economic-systems/</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
CO1	Identify the basic characteristics and functions of Economic System	<b>K1</b>
CO2	Observe the key pillars of Laissez-faire capitalist mode of production	<b>K2</b>
CO3	Demonstrate the mechanism of centralized planning in the socialist mode of production	<b>K3</b>
CO4	Describe the theory and experiences associated with Mixed economies	<b>K4</b>
CO5	Evaluate the convergence of capitalism and communism	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	2	1	1	3	2	2	2	2.0
<b>CO2</b>	2	3	2	1	1	3	3	2	2	2	2.1
<b>CO3</b>	1	3	3	3	2	2	2	3	2	3	2.4
<b>CO4</b>	2	2	2	3	2	3	3	2	3	2	2.4
<b>CO5</b>	1	3	2	2	2	1	2	3	2	2	2.0
<b>Mean Overall Score</b>											<b>2.18</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. A. Khan Mohamed**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
IV	23UEC4AC7	Allied - VII	4	4	25	75	100
<b>Course Title</b>		Accountancy					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>Basics of Accounting</b> Evolution of Accounting – Meaning and Definition – Objectives of Accounting – Functions of Accounting – Importance of Accounting – Branches of Accounting – Users of Accounting Information – *Role of an Accountant*	<b>12</b>
<b>II</b>	<b>Conceptual Framework</b> Accounting Concepts – Accounting Conventions – Accounting Standards – International Financial Reporting Standards - Basic Accounting Terminologies – Meaning of Book Keeping – *Book Keeping VS Accounting*	<b>12</b>
<b>III</b>	<b>Accounting System</b> Introduction to Double Entry System – Transactions: Meaning and Types - Accounting Equation – Golden Rules of Accounting: Personal Account – Real Account and Nominal Account – *Single Entry System*	<b>12</b>
<b>IV</b>	<b>Accounting Process - I</b> Journal: Meaning – Format of Journal – Steps in Journalising transactions– Types of Journal Entry – Usage of Golden Rules – Preparation of Journal Entries – Ledger: Meaning – Format of Ledger – Procedure for ledger posting – Preparation of Ledger	<b>12</b>
<b>V</b>	<b>Accounting Process - II</b> Trial Balance – Meaning – Format of Trial Balance - Preparation of Trial Balance – Final Accounts: Meaning – Format of its Components – Preparation of Final Accounts without Adjustments	<b>12</b>
<b>VI</b>	<b>Current Trends * (For CIA only) – Contemporary developments in International and Indian Accounting Standards.</b>	

\*.....\* Self Study

<b>Text Book(s):</b>
1. T.S. Grewal, Introduction to Accountancy, S. Chand & Company LTD, Reprint 2007 2. .T.S. Reddy & A. Murthy - Financial Accounting, Margham Publications, Reprint, 2018
<b>Reference Book(s):</b>
1. S.P. Jain & K.L. Narang - Advanced Accountancy, Kalyani Publications, 2015 2. M. C. Shuckla, T. S. Grewal & S.C. Gupta – Advanced Accounts, S.Chand& Co, 2016
<b>Web Resource(s):</b>
1. NPTEL Course: Financial Accounting, IIT Bombay, Dr. Varadraj Bapat, <a href="https://nptel.ac.in/courses/110101131">https://nptel.ac.in/courses/110101131</a> 2. Study Material Prepared by ICWA for Junior Accounts Officer(Civil) Examination Conducted by Controller General of Accounts, <a href="https://cga.nic.in/writereaddata/financial_accounting.pdf">https://cga.nic.in/writereaddata/financial_accounting.pdf</a> 3. IFRS e-Learning Module by Deloitte, <a href="https://www.deloitteifrslearning.com/">https://www.deloitteifrslearning.com/</a>

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Describe the basic accounting concepts, conventions and terminologies.	K1
CO2	Construct a basic accounting equation.	K2
CO3	Apply golden rules of accounting in preparation of journal entries.	K3
CO4	Post the journal entries and prepare trial balance.	K4
CO5	Prepare final accounts without adjustments.	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	1	3	2	2	2	2	2	2	2	3	2.1
CO2	2	3	2	3	3	2	2	2	2	3	2.4
CO3	3	2	2	2	1	2	1	2	3	2	2
CO4	1	3	2	3	2	3	2	2	2	3	2.3
CO5	2	2	3	2	1	3	1	2	2	3	2.1
Mean Overall Score											2.18
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Mr. A. M. Z. Mohammed Arsath Ali**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
IV	23UEC4AC8	Allied - VIII	4	3	25	75	100
<b>Course Title</b>		Econometrics					

SYLLABUS		
Unit	Contents	Hours
I	<b>Introduction</b> Definition – Scope – Divisions – Objectives – Uses of Econometrics – Econometrics and Mathematical Economics – Econometrics and Statistics – Methodology of Econometrics - Basic ideas of Linear Regression Model–Scatter plot, Two and three variable Models, Population regression Function (PRF), Sample Regression Function (SRF) – Error term U and e	12
II	<b>Two Variable Model Estimation</b> Classical Linear Regression Model – Assumptions – Method of Ordinary Least Squares (OLS) – Estimation of OLS Estimators (SLRM), Prediction of Y, Estimation of error values and Standard error of OLS estimators (Simple Linear Regression) – Test of Goodness of Fit $r^2$ - Properties of OLS estimators- Hypothesis Testing (t and F test)	12
III	<b>Assumption Violations (Basic ideas only)</b> Multi-collinearity: Nature, Consequences, detection and Remedial Measures- Heteroscedasticity: Nature-Consequences Detection and Remedial Measures- Autocorrelation: Nature, Consequences, Detection and Remedial Measures	12
IV	<b>Three Variable Model Estimation (Estimation using intermediate values)</b> Three Variable Model estimation (Basic Idea only) – Test of Goodness of Fit $R^2$ and Adjusted $R^2$ - Hypothesis Testing (t and F test)	12
V	<b>Functional Forms and Dummy Variables</b> Log models - Semi log model- Log-lin, lin-log and Double Log Models – *Measurement of Elasticity - Measurement of Growth*. Dummy Variables – Uses – Regression through origin - ANOVA and ANCOVA Models - Dummy Variable Trap - Seasonal Variations	12
VI	<b>Current Trends * (For CIA only)</b> – Contemporary developments related to econometrics during the semester concerned.	

\*.....\* Self Study

<b>Text Book(s):</b>
1 Gujarathi, D. M. Gujarati: Basic Econometrics. McGraw-hill, 2022
2. K.Dhanasekaran, Econometrics, Vrinda Publications, 2012
3. Maddalla G.S. Introduction to Econometrics, Third Edition ,Wiley India, 2001
<b>Reference Book(s):</b>
1. Ramanathan, R. Introductory econometrics with applications. Dryden Press, 1992
2. Dominick Salvatore and Derrick Reagle, Statistics and Econometrics, Tata McGraw Hill, Schaum's Series, 2 <sup>nd</sup> Edition, 2011
<b>Web Resource(s):</b>
1. <a href="https://nptel.ac.in/courses/111104072">https://nptel.ac.in/courses/111104072</a>
2. <a href="https://www.econometricssociety.org">https://www.econometricssociety.org</a>

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	To define econometrics, simple and multiple linear models and assumptions	K1
CO2	To explain econometric models for verifying economic theories in real time situations	K2
CO3	To estimate coefficients for testing hypotheses using quantitative and qualitative variables	K5
CO4	To evaluate the violation of assumptions in econometric applications	K5
CO5	To distinguish various functional forms of regression models	K4

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	2	2	1	1	3	2	2	2	2.0
CO2	2	3	2	1	1	3	3	2	2	2	2.1
CO3	1	3	3	3	2	2	2	3	2	3	2.4
CO4	2	2	2	3	2	3	3	2	3	2	2.4
CO5	1	3	2	2	2	1	2	3	2	2	2.0
Mean Overall Score											2.18
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. A. Hidayathulla**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
IV	23UEC4GE2	Generic Elective – II	2	2	-	100	100
<b>Course Title</b> Economics for Competitive Examinations							

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>Development Indices</b> Meaning of economic growth & Economic development – Human Development index - Index of Industrial Production - Index of Eight Core Industries - Purchasing Manager Index - *Global Hunger Index*	<b>6</b>
<b>II</b>	<b>Public Finance</b> Budget – Types of budget – Budget deficits – Deficit financing – Finance commission – Sources of Public Revenue: Tax and Non-Tax Revenue- Direct and Indirect Taxes– *Merits and Demerits of GST*	<b>6</b>
<b>III</b>	<b>National Income Concepts</b> GDP - NDP - GNP – NNP - National income - Per capita income – Personal income – personal Disposable income – Methods of calculating National Income - *Trends in GDP growth rate*	<b>6</b>
<b>IV</b>	<b>Monetary Concepts</b> Reserve bank of India – Exchange Rate – Forex Reserves – Devaluation – Demonetization - Foreign Direct Investment – Foreign Institutional Investment - *Factors affecting FDI and FII*	<b>6</b>
<b>V</b>	<b>International Co-operation and institutions</b> Economic Co-operations: FTAs - G20 – G7 – SAARC – ASEAN – BRICS – UN – OPEC – EU - GATT - International Institutions: WTO – IMF – IBRD – *UNCTAD*	<b>6</b>
<b>VI</b>	<b>Current Trends * (For CIA only)</b> – Contemporary developments related to the course during the semester concerned.	

\*.....\* Self Study

<b>Text Book(s):</b>
1. M.L Jhingan, Macro Economic Theory, Virnda publications, 12 <sup>th</sup> revised edition 2010 2. M.L Seth, Monetary Economics, Lakshmi Narain Agarwal, 15 <sup>th</sup> Revised Edition 2018 3. Ramesh Singh, Indian Economy for Civil Services and other Competitive Examinations, Mc Graw Hill, 15 <sup>th</sup> Edition, 2023-2024
<b>Reference Book(s):</b>
1. Sanjiv Verma, The Indian Economy, Unique Publishers, 12 <sup>th</sup> Revised Edition, 2023 2. Gapal Garg, Upkar's UGC NET/JRF/SET- Economics, Upkar Prakashan, Revised Edition, 2023 3. Sankarganesh K, Indian Economy – Key Concepts, 7 <sup>th</sup> Edition, 2022
<b>Web Resource(s):</b>
1. NPTEL course: Indian Economy: Some Contemporary Perspectives by Prof. Wasim Ahmad, IIT Kanpur, <a href="https://onlinecourses.nptel.ac.in/noc22_hs69/preview">https://onlinecourses.nptel.ac.in/noc22_hs69/preview</a> 2. UGC MOOCs: Basic Macroeconomics, <a href="https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/643">https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/643</a> 3. Clear IAS: Economics Notes Which You Shouldn't Miss!, <a href="https://www.clearias.com/economics/">https://www.clearias.com/economics/</a> 4. YouTube Channel: ECOHOLICS, <a href="https://www.youtube.com/@ECOHOLICS">https://www.youtube.com/@ECOHOLICS</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
CO1	Make the Students understanding of Economic Growth and Development.	<b>K1</b>
CO2	Understanding of Budgeting, finance commissions, and TAX's	<b>K2</b>
CO3	Facilitate of National Income concepts including GDP, NDP, GNP and NNP.	<b>K3</b>
CO4	Understanding of Banking and capitals.	<b>K4</b>
CO5	Facilitate regarding the functions of International Financial Institutions.	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	2	1	1	3	2	2	2	2.0
<b>CO2</b>	2	3	3	1	1	3	3	2	2	1	2.1
<b>CO3</b>	1	3	3	3	2	2	3	3	2	2	2.4
<b>CO4</b>	2	2	2	3	2	3	3	2	3	3	2.5
<b>CO5</b>	1	3	3	2	2	1	2	3	2	2	2.1
<b>Mean Overall Score</b>											<b>2.2</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Mr. A. M. Z. Mohammed Arsath Ali**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
V	23UEC5CC9	Core - IX	6	6	25	75	100
<b>Course Title</b> History of Economic Thought							

SYLLABUS		
Unit	Contents	Hours
I	<b>MERCANTILISM AND PHYSIOCRACY</b> Nature and Importance of Economic Thought - Significance of history of economic thought - Mercantilism: Factors responsible for the rise of Mercantilism – Salient features of Mercantilism - Thomas Mun - Decline of Mercantilism. Physiocracy: Factors that gave rise to Physiocracy - Main ideas of Physiocrats - Quesnay - Tableau Economique - *Critical Estimate of Physiocrats.*	18
II	<b>CLASSICAL SCHOOL</b> Classical ideas: Features of classical school - Adam Smith's contributions – Division of Labour - Value Theory - Wages - Role of Money - Laissez faire - Cannons of Taxation - Malthusian Theory of Population and Theory of Glut - David Ricardo: Theory of Rent - Theory of Stationary State - Comparative Cost Theory - Contributions of J.B. Say - *J.S. Mill's contributions.*	18
III	<b>EVOLUTION OF SOCIAL THOUGHT</b> St.Simon - Sismondi - Karl Marx: Materialistic Interpretation of History, Labour theory of value, Surplus value - concentration of capital - falling rate of profit - Industrial reserve army - *Capitalism VS Socialism*	18
IV	<b>MARGINALISM AND KEYNESIAN ECONOMICS</b> Marginal revolution: Meaning, Essential ideas of Marginalist school - Gossen Economic ideas - Alfred Marshall's Contributions - Economic Laws - Marginal Utility and Demand - Consumer Surplus - Elasticity of Demand - Theory of Value and Time Element - Law of Returns - *Quasi Rent* - Keynesian revolution - Classical and Keynesian Economics.	18
V	<b>INDIAN ECONOMIC THOUGHT</b> Economic ideas of Kautilya's Arthashastra -Thiruvallvar - Dhadabhai Naoroji - R.C. Dutt – Mahatma Gandhi - Jawaharlal Nehru - V.K.R.V. Rao - Dr. Ambedkar - E.V.R.Periyar - Amartya Kumar Sen - Sen's Capability Approach - Poverty and Inequality - *Abhijit Banerjee's contributions*- Jamal Mohamed and Khajamian Rowther	18
VI	<b>Current Trends *(For CIA only)</b> – Ideological differences emerging from different schools of economic thought and their applicability in modern economic policies.	

\*.....\* Self Study

<b>Text Book(s):</b>
1.V. Lokanathan : A History of Economic Thought, S.Chand & Company LTD, Reprint 2010. 2. T.N. Hajela, History of Economic Thought, Ane Books Pvt. Ltd., 18 <sup>th</sup> Edition, 2015. 3. Sankaran, A History of Economic Thought, Margham Publications, 6 <sup>th</sup> Edition, 2006.
<b>Reference Book(s):</b>
1. M.L. Jhingan, M. Girija & L.Sasikala, History of Economic Thought, Vrinda Publications P Ltd., 2014. 2. H.L. Bhatia, History of Economic Thought, S Chand, 4th Edition, T&F India, 2007. 3. E.K. Hunt & Mark Lautzenheiser, History of Economic Thought, 3Rd Edn., 2017.
<b>Web Resource(s):</b>
1. <a href="https://www.elgaronline.com/edcollchap/book/9781786433848/book-part-9781786433848-9.xml">https://www.elgaronline.com/edcollchap/book/9781786433848/book-part-9781786433848-9.xml</a> 2. <a href="https://www.britannica.com/money/classical-economics">https://www.britannica.com/money/classical-economics</a> 3. <a href="http://zetterberg.org/Books/b93e_Soc/b93eCh1.html">http://zetterberg.org/Books/b93e_Soc/b93eCh1.html</a> 4. <a href="https://www.imf.org/external/pubs/ft/fandd/2014/09/basics.htm">https://www.imf.org/external/pubs/ft/fandd/2014/09/basics.htm</a> 5. <a href="http://eflorakkl.in/staff/uploads/Chapter%205%20History%20of%20Economic%20Thought.pdf">http://eflorakkl.in/staff/uploads/Chapter%205%20History%20of%20Economic%20Thought.pdf</a> 6. <a href="https://www.exploring-economics.org/en/discover/philosophy-of-economics-foundational/">https://www.exploring-economics.org/en/discover/philosophy-of-economics-foundational/</a>

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Acquire the knowledge of chronological development of economic ideas.	K1
CO2	Comprehend the origin of the economic theories.	K2
CO3	Critically analyze the revolutionary experiments in the context social thought.	K3
CO4	Demonstrate the concepts of different schools of economic thought.	K4
CO5	Evaluate the interrelations of various economic doctrines in India.	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	2	2	1	1	3	2	2	2	2.0
CO2	2	3	2	1	1	3	3	2	2	2	2.1
CO3	1	3	2	3	2	2	2	3	2	3	2.3
CO4	2	2	2	3	2	3	3	2	3	2	2.4
CO5	1	3	2	2	2	1	2	3	2	2	2.0
Mean Overall Score											2.17
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. B. Mohamed Rafeeq**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
V	23UEC5CC10	Core - X	5	5	25	75	100
<b>Course Title</b>		Macro Economics - I					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>INTRODUCTION TO MACRO ECONOMICS</b> Definition, Scope, Importance, Limitations of Macro Economics – *Difference between micro and macro economics*–General Macro concepts: Stock and Flow, dynamics and comparative statics – variables – functional relationship and parameters – accounting and behavioral relationship - time series and cross section analysis- Ex ante, Ex post, - Economic models. Major macro economic issues. Recent developments in Macro Economics.	<b>15</b>
<b>II</b>	<b>NATIONAL INCOME</b> Circular flow of income-Money flows in two, three and four sector - Concepts of National income: Gross national product - Gross domestic product - Net national product – Personal income - Disposable income Per capita income - Transfer payments – Green GDP - Methods of measuring National income – Difficulties in calculation of National Income - Importance of National income analysis - *Trends in National Income in India*- Numerical Calculation of National Income Concepts	<b>15</b>
<b>III</b>	<b>CLASSICAL ECONOMICS</b> Full employment – classical theory of employment – Neutrality of Money and Classical Dichotomy- Say's law of market: Assumptions - *Implications of Says's Law*– Criticism of classical theory.	<b>15</b>
<b>IV</b>	<b>KEYNESIAN ECONOMICS</b> Keynesian revolution: Principle of effective demand – determination of equilibrium level of employment – Features of Keynesian theory of employment – *Difference between classical and Keynesian economics* – Applicability of Keynesian Economics in Developing Economies	<b>15</b>
<b>V</b>	<b>CONSUMPTION FUNCTION</b> Meaning and technical attributes of consumption Function– Significance of MPC – Keynes psychological law of consumption and its implications.- Determinants of Consumption function - *Measures to raise the propensity to consume*	<b>15</b>
<b>VI</b>	<b>Current Trends *(For CIA only) –Geo Political Situations – GDP Estimates – Global Economic Surveys of IMF, World Bank</b>	

\*.....\* Self Study

<b>Text Book(s):</b>
1. M.L Jhingan, Macro Economic Theory, Virnda publications, Thirteenth revised edition 2017 2. Macro Economics, H.L.Ahuja,S.chand publications,Eighteenth Revised edition 2012 3. P.N.Chopra Macro Economics Kalyani Publishers Sixth Revised Edition 2014 4. Gaurav Datt \$ Biswajit Nag, Indian Economy, Chand Publications, Seventy Third Edition, 2024
<b>Reference Book(s):</b>
1. N.Gregory Mankiw, Economics Principles and Applications, Cengage Learning India, First edition, 2009. 2.N.Gregory Mankiw Principles of Macro economics, Cengage Learning India, Eighth Edition 2016 3.David Romer, Advanced Macro Economics, Mc Graw – hill, Fourth Edition, 2012.
<b>Web Resource(s):</b>
1. www.yourarticlelibrary.com 2. www.economicdiscussion.com

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Give an understanding of the subject matter of macroeconomics and the general macro-economic concepts and major economic issues.	K1
CO2	Familiarize with the money flows and national income concepts	K2
CO3	Equip the students with the theoretical knowledge relating to classical model of employment	K3
CO4	Acquaint the students with the background of revolution and the general theory of employment	K4
CO5	Have an insight into the technical attributes of consumption function and the importance of Keynesian consumption theory.	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	2	2	1	1	3	2	2	2	2.0
CO2	2	3	2	1	1	3	3	2	2	2	2.1
CO3	1	3	2	3	2	2	2	3	2	3	2.3
CO4	2	2	2	3	2	3	3	2	3	2	2.4
CO5	1	3	2	2	2	1	2	3	2	2	2.0
Mean Overall Score											2.17
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr.A.J. Haja Mohideen**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
V	23UEC5CC11	Core - XI	5	5	25	75	100
<b>Course Title</b> International Economics - I							

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>INTRODUCTION TO INTERNATIONAL ECONOMICS</b> Importance and Subject Matter of International Economics – Absolute Advantage Theory – Comparative Advantage Theory – Heckscher-Ohlin Theory - Leontief Paradox- *Sraffian Theory of unequal Exchange*	<b>15</b>
<b>II</b>	<b>TERMS OF TRADE</b> Different Measures of Terms of Trade – Factors Affecting the Terms of Trade – Secular Deterioration of Terms of Trade. Immiserizing growth theory - *Singer – Prebisch Thesis*	<b>15</b>
<b>III</b>	<b>TRADE POLICY AND ECONOMIC INTEGRATION</b> Free Trade vs. Protectionism – Trade Barriers – Tariff and Non-Tariff Barriers – Effects of Tariff and Quota – Economic Integration – Benefits - Forms – Problems. *European Union and SAARC - BRICS*	<b>15</b>
<b>IV</b>	<b>INTERNATIONAL CAPITAL</b> International Capital Flows – Classification – Factors Influencing International Capital Movements - Significance and Role of Foreign Capital- Benefits and Dangers – Outsourcing and Multinational Enterprises - *Tax Heaven*	<b>15</b>
<b>V</b>	<b>EXCHANGE RATE SYSTEM</b> Fixed and Flexible Exchange Rate Systems -Devaluation, Revaluation, Depreciation and Appreciation- Gold Standard – Bretton Woods System and its Breakdown - International Liquidity – International Institutions – IMF, IBRD and WTO.– *Exchange Rate System of India*	<b>15</b>
<b>VI</b>	<b>Current Trends * (For CIA only)</b> –Economic sanctions- Exchange rate and foreign capital flows fluctuations-Economic crisis of different countries	

\*.....\* Self Study

<b>Text Book(s):</b>
1 M.L.Jhingan , International Economics, Vrinda Publications, 6th Edition,2010. (P)Ltd, Delhi, 2. S.Sankaran, International Economics, Reprint 2016 Margham Publications, Chennai
<b>Reference Book(s):</b>
1. International Economics – Domnick Salvatore – 8 <sup>th</sup> Edition – 2013 – Wiley India Pvt.ltd, New Delhi. 2. International Economics Theory and Policy – Paul Krugmen – 10 <sup>th</sup> Edition – 2018 – Pearson India education services Pvt.ltd. 3. International Economics – Sodersten – 3 <sup>rd</sup> Edition – 2003 – Macmillan press ltd, London. 4. International Economics – Sawyer and Sprinkle – 1 <sup>st</sup> Edition – 2003 – Prentice Hall of India, New Delhi.
<b>Web Resource(s):</b>
1. <a href="http://www.yourarticlelibrary.com">www.yourarticlelibrary.com</a> 2. <a href="http://www.economicdiscussion.net">www.economicdiscussion.net</a>

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Gain knowledge on, terms of trade, trade policy, economic integration, balance of payments, capital flow and exchange rate	K1
CO2	Understand theoretical explanations of trade and terms of trade deterioration	K2
CO3	Articulate trade policy and economic integration	K5
CO4	Compare trade policy variants and exchange rate systems	K5
CO5	Assess evolution of international monetary systems	K4

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	2	3	2	2	3	3	2	2	2.4
CO2	2	2	3	1	1	3	3	3	2	3	2.3
CO3	3	3	2	2	3	2	3	2	3	3	2.6
CO4	3	2	2	3	3	3	3	3	2	3	2.7
CO5	2	3	2	2	3	3	2	2	3	3	2.5
Mean Overall Score											2.5
Correlation											High

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr.A.Hidhayathulla**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
V	23UEC5CC12	Core - XII	5	5	25	75	100
<b>Course Title</b>		Fiscal Economics - I					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>INTRODUCTION TO FISCAL ECONOMICS</b> Definition – Scope – Importance – Major fiscal functions-fiscal functions in a developing economy - *Comparison of Public Finance and Private Finance *	<b>15</b>
<b>II</b>	<b>PUBLIC EXPENDITURE</b> Scope of Public Expenditure – Classification: Dalton, Pigou and H.C. Adam– Classification in India - Canons of Public Expenditure – Effects of Public Expenditure on Production, Distribution, Economic Stability and Growth - Wagner’s Law – Wiseman-Peacock Hypothesis – *Keynesian View*	<b>15</b>
<b>III</b>	<b>PUBLIC REVENUE</b> Sources of Public Revenue – Tax: Characteristics of a good tax – Objectives of taxation - Canons of Taxation - Kinds of taxes: Direct and Indirect, Specific and Ad valorem, Progressive, Proportional, Regressive and Degressive – Basic Aspects of Tax Administrative Procedure – *Effects of Bad Tax Administration*	<b>15</b>
<b>IV</b>	<b>THEORIES OF TAXATION</b> Principle of Maximum Social Advantage - Principle of Equity (Horizontal and Vertical Equity)– Cost of service theory – Benefit principle – Ability to pay theory. – Contributions of Nobel Laureates in Taxation Theories: *James Mirrlees Peter Diamond and Emmanuel Saez *	<b>15</b>
<b>V</b>	<b>IMPACT AND INCIDENCE OF TAXES &amp; TAXABLE CAPACITY</b> Meaning of impact and incidence - Difference between impact and incidence – Theories of incidence: Concentration, Diffusion and Modern- Factors Affecting Incidence of Tax - Taxable Capacity: Meaning - absolute and relative taxable capacity - Factors Determining the Taxable Capacity – *Measurement of Taxable Capacity: Income method and Production method*	<b>15</b>
<b>VI</b>	<b>Current Trends *(For CIA only) –Trends in Public Revenue and Expenditure</b>	

\*.....\* Self study

<b>Text Book(s):</b>
<ol style="list-style-type: none"> <li>1. S.K. Singh, Public Finance in Theory and Practice, S. Chand Publishing, Ninth Edition, Reprint 2021</li> <li>2. H L Bhatia, Public Finance, Vikas Publishing, Thirty First Edition, 2022</li> <li>3. Om Parkash, Economics of Public Finance, Vishal Publishing, Second Edition, 2023</li> </ol>
<b>Reference Book(s):</b>
<ol style="list-style-type: none"> <li>1. Richard A. Musgrave, Peggy B. Musgrave, Public Finance in Theory and Practice, MedTech Science Press, Sixth Revised Edition, 2024</li> <li>2. Earl R. Rolph, The Theory of Fiscal Economics, University of California Press, 2022</li> <li>3. M. Govinda Rao, Studies in Indian Public Finance, Oxford University Press, 2022</li> </ol>
<b>Web Resource(s):</b>
<ol style="list-style-type: none"> <li>1. UGC MOOCs: Public Finance and Policy in India, <a href="https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/648">https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/648</a></li> <li>2. NPTEL Course: Public Economics, Prof. Tanika Chakrabarty, IIT Kanpur, <a href="https://nptel.ac.in/courses/109104071">https://nptel.ac.in/courses/109104071</a></li> <li>3. MIT Open Course Ware: Public Economics, Massachusetts Institute of Technology, <a href="https://ocw.mit.edu/courses/14-471-public-economics-i-fall-2012/pages/syllabus/">https://ocw.mit.edu/courses/14-471-public-economics-i-fall-2012/pages/syllabus/</a></li> </ol>

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Define Public Revenue, Public Expenditure, Tax, Impact, Incidence of tax and Taxable capacity	K1
CO2	Explain the functions of public finance, Canons of Public Expenditure, Basic Aspects of Tax Administrative Procedure and Effects of Bad Tax Administration	K2
CO3	Apply the canons and theories of taxation	K3
CO4	Analyse the contributions of Nobel Laureates in Taxation theories.	K4
CO5	Compare public finance and private finance, different types of public expenditure, various sources of public revenue and kinds of taxes,	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	2	2	1	1	3	2	2	2	2.0
CO2	2	3	2	1	1	3	3	2	2	2	2.1
CO3	1	3	2	3	2	2	2	3	2	3	2.3
CO4	2	2	2	3	2	3	3	2	3	2	2.4
CO5	1	3	2	2	2	1	2	3	2	2	2.0
Mean Overall Score											2.17
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Mr. A. M. Z. Mohammed Arsath Ali**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
V	23UEC5DE1A	Discipline Specific Elective - I	5	4	25	75	100
<b>Course Title</b>		Entrepreneurial Development					

UNIT	CONTENTS	HOURS
I	<b>ENTERPRENEURSHIP</b> Entrepreneur- Meaning - Evolution - Characteristics, Types and Functions – Distinction Between Entrepreneur and a Manager - Entrepreneurial Traits – Entrepreneurial Mobility – Factors Affecting Entrepreneurial Growth – *concept of intrapreneur *	15
II	<b>WOMEN ENTREPRENEURS</b> Definition of Women Entrepreneurs – Functions – Growth – Problems of Women Entrepreneurs – Suggestions for Development of Women Entrepreneur - Meaning of Rural Entrepreneurship – Need – *Problems of Rural Entrepreneurship. *	15
III	<b>ENTERPRENEURSHIP DEVELOPMENT PROGRAMMES (EDPs):</b> Need, Objectives, Phases and Evaluation – Entrepreneurial Motivation – Motivating Factors – Entrepreneurial Training: Objectives, Importance and Methods. – *MSME and Supporting Measures for Small Entrepreneurship*	15
IV	<b>PROJECT</b> Meaning, Identification, Selection and Classification – Project Formulation – Project Report – Significance of Project Report – Project Appraisal - Methods of Project Appraisal-Cost Benefit Analysis -E-Commerce and Entrepreneurship - *Export Potentials of Small-Scale Business*	15
V	<b>FINANCING THE NEW VENTURE, CASE STUDIES AND FUTURE TRENDS</b> Sources of Funding - Financial Management for startups – Raising Capital. Case studies of Successful Entrepreneurs - *Future trends in entrepreneurship*	15
VI	<b>Current Trends *(For CIA only) – Latest government schemes for entrepreneurial development.</b>	

\*.....\* Self study

<b>TEXT BOOKS:</b>
Dr. S. S. Khanka, Entrepreneurial Development, 3rd Edition Reprint 2010 - S. Chand & Company, New Delhi.
<b>REFERENCE:</b>
1.Dr. C. B. Gupta, Entrepreneurship Development in India, Sultan Chand & Sons, New Delhi 2.Dr. sneha singh, Dr Fazeelath Tabassum, Dr. Abhishek duttagupta, Dr.M.A. Raja Mohamed, Dr.Mahammad Rafee Entrepreneurship and Business development, chendur publishing house, 2024 Edition

<b>WEB REFERENCES :</b>
<a href="http://www.yourarticlelibrary.com">www.yourarticlelibrary.com</a> <a href="http://www.economicdiscussion.net">www.economicdiscussion.net</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	Define entrepreneur, intrapreneur, entrepreneurial traits, women entrepreneur, rural entrepreneurship and project	<b>K1</b>
<b>CO2</b>	Explain the sources of funding, significance of project report, and various aspects of EDPs	<b>K2</b>
<b>CO3</b>	Apply the project appraisal methods and cost benefit analysis for selecting a project	<b>K3</b>
<b>CO4</b>	Analyse the factors affecting Entrepreneurial growth	<b>K4</b>
<b>CO5</b>	Compare the characteristics of entrepreneur and manager.	<b>K5</b>

**Relationship Matix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	2	1	1	3	2	2	2	2.0
<b>CO2</b>	2	3	2	1	1	3	3	2	2	2	2.1
<b>CO3</b>	1	3	2	3	2	2	2	3	2	3	2.3
<b>CO4</b>	2	2	2	3	2	3	3	2	3	2	2.4
<b>CO5</b>	1	3	2	2	2	1	2	3	2	2	2.0
<b>Mean Overall Score</b>											<b>2.17</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr.J.Khader sharief**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
V	23UEC5DE1B	Discipline Specific Elective - I	5	4	25	75	100
<b>Course Title</b>		Labour Economics					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>LABOUR MARKET</b> Labour Economics: Definition, Nature, scope and Importance - Supply and Demand Behaviours Nature and characteristics of labour markets in India - Paradigms of Labour Market: Classical, Neo- classical and dualistic model - Analysis of demand supply forces- Demand for Labour market - size and pattern of investment – *Government Labour policies*	<b>9</b>
<b>II</b>	<b>UNEMPLOYMENT AND INEQUALITY</b> Concept and measurement of unemployment - Causes and measures of Industrial Dispute, rationalization, technological change and modernization - Rural Unemployment and educated Unemployment- *Technological progress and productivity capitalization effect. *	<b>9</b>
<b>III</b>	<b>WAGE DETERMINATION: THEORY AND PRACTICE</b> Classical and Neo classical theories of wage determination - Concepts of wages – problems in implementation of minimum Wages - Wage determination - Organised and Unorganised sectors - Wage and productivity- wage and inflation relationship - Wage differentials in terms of firm, Industry, Occupation, Sex and Skills- wage standardization - Wage policy in India- *Risk sharing- efficiency wage and involuntary*	<b>9</b>
<b>IV</b>	<b>INDUSTRIAL RELATIONS AND TRADE UNIONS</b> Need for Industrial Relation-Industrial disputes -Preventive and Curative Methods - Collective Bargaining, Arbitration and Adjudications-Industrial Democracy – concept of workers participation in Management – *Role of State in Industrial Relations*	<b>9</b>
<b>V</b>	<b>STATE AND LABOUR</b> Role of state in Labour issues - Labour policies of the Government in the past and present - social security schemes- Importance of Labour legislations in India and their implications - *Role of ILO in addressing labour issues.*	<b>9</b>
<b>VI</b>	<b>Current Trends *(For CIA only)</b> – Social Security Code, 2020, ILO Reports, Periodic Labour force survey of India.	

\*.....\* Self Study

<b>Text Book(s):</b>
4. George.J.Borjas, Labour Economics, McGraw Hill,8th Edition, London 2018 5. V.Joshi,, Labour Economics and Labour Problems, Atlantic Publishers and Distributors, New Delhi 2015 6. Esrafil Ali, Labour Economics, 1se Edition, Everest Publishing House, New Delhi 2013

<b>Reference Book(s):</b>
1, Pierre Cahuc& Andre Zylberberg (2009), Labour Economics, PHI Learning Private Ltd. New Delhi. 2009 2. Praveen Jha B.R. Agricultural labour in India, Vikas publication, New Delhi. 2001
<b>Web Resource(s):</b>
1. <a href="https://www.sciencedirect.com/journal/labour-economics">https://www.sciencedirect.com/journal/labour-economics</a> 2. <a href="https://link.springer.com/journal/41027">https://link.springer.com/journal/41027</a> 3. <a href="https://www.iisg.nl/w3vl/journals.html#0401">https://www.iisg.nl/w3vl/journals.html#0401</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	Understand the theories of labour market.	<b>K1</b>
<b>CO2</b>	Identify the issues related to employment and unemployment.	<b>K2</b>
<b>CO3</b>	Demonstrate the process of Wage determination.	<b>K3</b>
<b>CO4</b>	Describe the development of the Labour Movement.	<b>K4</b>
<b>CO5</b>	Evaluate the labour legislations in India.	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	2	1	1	3	2	2	2	2.0
<b>CO2</b>	2	3	3	1	1	3	3	2	2	1	2.1
<b>CO3</b>	1	3	3	3	2	2	3	3	2	2	2.4
<b>CO4</b>	2	2	2	3	2	3	3	2	3	3	2.5
<b>CO5</b>	1	3	3	2	2	1	2	3	2	2	2.1
<b>Mean Overall Score</b>											<b>2.22</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr.M.A.Raja Mohamed**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
V	23UEC5SE1	Skill Enhancement Course - I	2	1	-	100	100
<b>Course Title</b>		Digital Marketing					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>FUNDAMENTALS OF DIGITAL MARKETING</b> Meaning and Definition of Digital Marketing – Significance - Traditional marketing Vs Digital Marketing - Evolution of Digital Marketing – Advantages and Disadvantages of Digital Marketing – Stakeholders of Digital Marketing – *Expectations of Digital Consumer, Communities, Gen Y and Netizens*	<b>6</b>
<b>II</b>	<b>TERMINOLOGIES IN DIGITAL MARKETING,</b> PPC - Social Media Marketing - SEO techniques - Keyword advertising - Google Web-master and Analytics - Affiliate Marketing, - Email Marketing,- *Mobile Marketing*	<b>6</b>
<b>III</b>	<b>WEBSITE &amp; E-MAIL MARKETING</b> Website - Elements of a good website – Tools of improving user experience – Importance of websites - E- Mail Marketing - Types – E-mail Automation - *Lead Generation*	<b>6</b>
<b>IV</b>	<b>SEARCH ENGINE OPTIMIZATION</b> Introduction to SEO - Phases of SEO - Types Of SEO technique - On page Optimization and its elements - Off page Optimization and its elements - Social media - *SEO tactics of Google search Engine and Other tools*	<b>6</b>
<b>V</b>	<b>SOCIAL MEDIA MARKETING</b> Fundamentals of Social Media Marketing - Significance – Features of Facebook Advertising – Steps in Setting up Facebook Advertising Account – Features of WhatsApp Business Account – Features of WhatsApp Channels– Basic Features of Instagram Marketing - LinkedIn Marketing: Importance of LinkedIn presence - *Twitter Marketing - Twitter ad campaigns - Twitter Analytics*	<b>6</b>
<b>VI</b>	<b>Current Trends *(For CIA only) – Latest developments in digital marketing tools</b>	

\*.....\* Self study

<b>Text Book(s):</b>
1. Seema Gupta, “Digital Marketing”, McGraw Hill, 2nd Edition, 2020 2. Ryan Deiss& Russ Henneberry, “Digital Marketing for Dummies”, Wiley Publication, 2020
<b>Reference Book(s):</b>
1. Simon Kingsnorth, “Digital Marketing Strategy”, Kogan Page, 2nd Edition, 2019 2. Brian Halligan& Dharmesh Shah, “Inbound Marketing Revised & Updated”, Wiley Publication, 2014 3. Jeremy Kagan& Siddharth Shekar Singh, “Digital Marketing Strategy & Tactics”, Wiley, 2020 4. Francisco J. Martínez-López, Steven D'Alessandro, Advances in Digital Marketing and Ecommerce, Springer International Publishing. 2020 5. Tri Rachmadi, S.Kom, The Power Of Digital Marketing, TIGA Ebook, 2020
<b>Web Resource(s):</b>
1. <a href="https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_ug/269">https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_ug/269</a> 2. <a href="https://onlinecourses.swayam2.ac.in/cec23_mg08">https://onlinecourses.swayam2.ac.in/cec23_mg08</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	Define digital marketing, digital consumers, PPC and SEO.	<b>K1</b>
<b>CO2</b>	Explain the significance, advantages, and disadvantages of digital marketing.	<b>K2</b>
<b>CO3</b>	Apply the Digital marketing strategies in business promotion.	<b>K3</b>
<b>CO4</b>	Analyse the importance of websites, E-mail marketing, Search Engine Optimization and Social Media Marketing.	<b>K4</b>
<b>CO5</b>	Compare the effectiveness of Digital Marketing with Traditional Marketing	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	2	1	1	3	2	2	2	2.0
<b>CO2</b>	2	3	2	1	1	3	3	2	2	2	2.1
<b>CO3</b>	1	3	2	3	2	2	2	3	2	3	2.3
<b>CO4</b>	2	2	2	3	2	3	3	2	3	2	2.4
<b>CO5</b>	1	3	2	2	2	1	2	3	2	2	2.0
<b>Mean Overall Score</b>											<b>2.17</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. K. N. Mohamed Fazil**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
V	23UEC5SE2P	Skill Enhancement Course - II	2	1	-	100	100
<b>Course Title</b>		Accounting Packages - Practical					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>TALLY AND COMPANY CREATION</b> Accountancy: Meaning, Concepts, types and rules - Tally - Features - Company creation: creating, selecting, deleting, *shutting and altering of company details*	<b>6</b>
<b>II</b>	<b>ACCOUNTS INFORMATION</b> Groups: Group creation: Single and Multiple Groups – Alteration, deletion. Account groups - Reserved account groups - creation, alteration and deletion. Ledgers: Journalizing transactions - Ledger posting – Preparation of trial balance - Ledger creation : Single and Multiple Ledger - *Ledger alteration and deletion*	<b>6</b>
<b>III</b>	<b>ACCOUNTING VOUCHERS</b> Voucher creation - Payment Voucher - Receipt Voucher - Purchase Voucher - Sales Voucher - Contra Voucher - *Journal Voucher*	<b>6</b>
<b>IV</b>	<b>INVENTORY INFORMATION</b> Create a Go downs - Unit of measures - Stock category - Stock groups - Stock items - Create single - *multiple stock*	<b>6</b>
<b>V</b>	<b>Financial Reporting</b> Debit note, Credit note and Bank Reconciliation Statement, Generate the reports and Print Books of accounts, Create TDS and TCS entries, Create GST accounting entries - *Print Management*	<b>6</b>
<b>VI</b>	<b>Current Trends *(For CIA only) – updates in Tally and Accounting Software</b>	

\*.....\* Self study

<b>Text Book(s):</b>
1. S.Palanivel : Tally Accounting Software, Margham Publications, Chennai, Reprint 2014. 2. A.K. Nadhani & K.K. Nadhani Implementing tally 9, BPB Publications, 2007. 3. Amit Bansal, Learn Tally ERP 9, BPB Publications, 2020.
<b>Reference Book(s):</b>
1. Mehra and Navneet, GST Tally ERP9 English, V&S Publishers, 2020. 2. A. K. Saini and Pradeep Kuma, Computer applications in Management (Tally), Anmol Publisher, 2008. 3. Kogent Learning Solutions Inc., Tally.Erp 9 In Simple Steps, Dreamtech Press, 2010. 4. Official Guide to financial Accounting using Tally.ERP, Published by Manish Jain for BPB Publication, New Delhi, 2018
<b>Web Resource(s):</b>
1. <a href="https://help.tallysolutions.com/tally-prime/tally-company/set-up-company-tally/">https://help.tallysolutions.com/tally-prime/tally-company/set-up-company-tally/</a> 2. <a href="https://www.orfonline.org/expert-speak/nobel-laureate-abhijit-banerjee-believesthinking-small-56">https://www.orfonline.org/expert-speak/nobel-laureate-abhijit-banerjee-believesthinking-small-56</a> 3. <a href="https://www.youtube.com/results?search_query=tally+erp">https://www.youtube.com/results?search_query=tally+erp</a> 4. <a href="https://www.javatpoint.com/inventory-features-in-tally-erp-9">https://www.javatpoint.com/inventory-features-in-tally-erp-9</a> 5. <a href="https://help.tallysolutions.com/tally-prime/accounting-financial-reports/accounting-financial-reports-tally/">https://help.tallysolutions.com/tally-prime/accounting-financial-reports/accounting-financial-reports-tally/</a> 6. <a href="https://books.google.co.in/books?id=KYxjDwAAQBAJ&amp;printsec=copyright&amp;redir_esc=y#v=onepage&amp;q&amp;f=false">https://books.google.co.in/books?id=KYxjDwAAQBAJ&amp;printsec=copyright&amp;redir_esc=y#v=onepage&amp;q&amp;f=false</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	gain knowledge and applicability of accounting concepts with tally.	<b>K1</b>
<b>CO2</b>	Acquire the knowledge in preparing the accounting information.	<b>K2</b>
<b>CO3</b>	post the various accounting voucher entries in accounting software	<b>K3</b>
<b>CO4</b>	maintain inventory information of multiple stocks	<b>K4</b>
<b>CO5</b>	generate the reports for ascertaining the financial position of the various firms.	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	2	3	2	2	1	1	3	2	2	2	2.0
<b>CO2</b>	3	2	2	1	1	3	3	2	2	2	2.1
<b>CO3</b>	2	3	2	2	2	2	2	3	2	3	2.3
<b>CO4</b>	2	2	2	3	2	3	3	2	3	2	2.4
<b>CO5</b>	2	2	2	2	2	1	2	3	2	2	2.0
<b>Mean Overall Score</b>											<b>2.17</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. B. Mohamed Rafeeq**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
VI	23UEC6CC13	Core - XIII	5	5	25	75	100
<b>Course Title</b>		Macro Economics - II					

SYLLABUS		
Unit	Contents	Hours
I	<b>INVESTMENT FUNCTION</b> Meaning of Investment – Types of Investment: Gross Investment and Net Investment – Financial Investment and Real Investment, , Induced Investment and autonomous Investment, *Private and Public Investment* – Marginal Efficiency of Capital – Determinants of MEC - MEC and Rate of Interest – Factors affecting MEC	15
II	<b>MULTIPLIER AND ACCELERATOR</b> Meaning of Investment Multiplier – Working of Multiplier – MPC and Multiplier – Assumptions – Leakages - *Importance of Multiplier* – Principle of Accelerator – Significance and Limitations of Accelerator - Super Multiplier	15
III	<b>INFLATION, DEFLATION AND STAGFLATION</b> Inflation – Meaning – Causes – Effects – controlling Measures – *Role of fiscal and Monetary Policies to control inflation* – Demand Pull and Cost Push inflation – Deflation and Stagflation- Effects and controlling measures.	15
IV	<b>BUSINESS CYCLES</b> Meaning, Features, Phases of trade cycle – non monetary theories: Innovation theory – Over Saving Theory, Over Production Theory. Monetary Theories: Hawtrey's Theory – Hayek Theory and Hicks Theory - *Global Financial Crisis*	15
V	<b>MACRO ECONOMIC POLICIES</b> Meaning and Objectives of Macro Economic Policy – Monetary Policy: Quantitative and Qualitative tools– Fiscal Policy and its instruments – *Measures of Money Supply in India* - Debt Financing and Money Financing of Budget Deficits	15
VI	<b>Current Trends *(For CIA only)</b> – Monetary Policy Committee Reports, Budget Estimates and Economic Survey	

\*.....\* Self study

<b>Text Book(s):</b>
1. M.L Jhingan, Macro Economic Theory, Virnda publications, Thirteenth revised edition 2017 2. Macro Economics, H.L.Ahuja, S.chandpublications, Eighteenth Revised edition 2012 3. P.N.Chopra Macro Economics Kalyani Publishers Sixth Revised Edition 2014 4. Gaurav Datt & Biswajit Nag, Indian Economy, S.Chand Publications, Seventy Third Edition, 2024
<b>Reference Book(s):</b>
1. N.Gregory Mankiw, Economics Principles and Applications, Cengage Learning India, First edition, 2009. 2. N.Gregory Mankiw Principles of Macro economics, Cengage Learning India, Eighth Edition 2016 3. David Romer, Advanced Macro Economics, Mc Graw – hill, Fourth Edition, 2012.
<b>Web Resource(s):</b>
1. <a href="http://www.yourarticlelibrary.com">www.yourarticlelibrary.com</a> 2. <a href="http://www.economicdiscussion.com">www.economicdiscussion.com</a>

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Equip the students to understand the types of investment and factors influencing investment.	K1
CO2	Provide a comprehensive treatment of the working process of Multiplier and accelerator	K2
CO3	Arrive at an understanding of the problem of inflation, deflation and stagflation	K3
CO4	Familiarize with the features of trade cycle and to make aware of theories associated with trade cycle.	K4
CO5	Give an understanding of macro-economic policy objectives and its instruments.	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	2	2	1	1	3	2	2	2	2.0
CO2	2	3	2	1	1	3	3	2	2	2	2.1
CO3	1	3	2	3	2	2	2	3	2	3	2.3
CO4	2	2	2	3	2	3	3	2	3	2	2.4
CO5	1	3	2	2	2	1	2	3	2	2	2.0
Mean Overall Score											2.17
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr.A.J. Haja Mohideen**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
VI	23UEC6CC14	Core - XIV	5	5	25	75	100
<b>Course Title</b>		International Economics - II					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>INTERNATIONAL TRADE AND DEVELOPMENT</b> Basis of International Trade - International trade and economic growth - Effect of economic growth on international trade - Benefits and dangers of international trade. Role of developing countries in international trade - *Globalization and International trade*	<b>15</b>
<b>II</b>	<b>GAINS FROM TRADE</b> Gains from trade - Distribution of gains-trade strategies: outward and inward oriented trade strategies – Measurement - Factors Determining Gains from Trade – Static and Dynamic Gains from Trade - *Adam Smith Approach*	<b>15</b>
<b>III</b>	<b>BALANCE OF PAYMENTS AND ADJUSTMENT</b> Concept and definition of Balance of Payments - Balance of trade and balance of payments - Equilibrium and disequilibrium in the balance of payments - Causes and types of disequilibrium - Balance of payments adjustment mechanism – Automatic BOP adjustment - Expenditure switching policy - Expenditure changing policy *Illustrating and Interpreting Balance of Payments of Countries*	<b>15</b>
<b>IV</b>	<b>INTERNATIONAL FINANCIAL MARKET</b> International Financial Market System - Foreign Exchange Market, Eurocurrency Market, Euro Credit Market, Eurobond Market, and International Stock Markets-NYSE, Tokyo Stock Exchange and Shanghai Exchange - *Foreign Exchange Derivatives*	<b>15</b>
<b>V</b>	<b>INDIA'S INTERNATIONAL TRADE &amp; POLICY</b> India's export in the international market - Trend of international trade of India since 2000– Direction and composition of India's international trade - Trade deficit scenario of India - Recent trade policies - Problems of Indian trade-suitable solutions - Trade Barriers - Goods and Services Tax and its impact on India's trade - *Scenario of India's export and import the past two years*	<b>15</b>
<b>VI</b>	<b>Current Trends * (For CIA only) – current account deficit, Exchange rate fluctuations</b>	

\*.....\* Self Study

<b>Text Book(s):</b>
1 M.L.Jhingan , International Economics, Vrinda Publications, 6th Edition,2010. (P)Ltd, Delhi, 2. S.Sankaran, International Economics, Reprint 2016 Margham Publications, Chennai
<b>Reference Book(s):</b>
1. K.C Rana and K.N Verma, International Economics, , Vishal Publishing Co., 8 <sup>th</sup> Edition, 2022 2. D.M. Mithani, International Economics, 9 <sup>th</sup> Edition, Himalaya Publishing House Pvt. Ltd., 2022
<b>Web Resource(s):</b>
1. <a href="http://www.yourarticlelibrary.com">www.yourarticlelibrary.com</a> 2. <a href="http://www.economicdiscussion.net">www.economicdiscussion.net</a> 3. <a href="https://www.rbi.org.in/Scripts/Publications.aspx?publication=Annual">https://www.rbi.org.in/Scripts/Publications.aspx?publication=Annual</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	Recall the meaning of the concepts relating to international trade, balance of payment, exchange rate, foreign capital and multinational corporations	<b>K1</b>
<b>CO2</b>	Understand the functioning of foreign exchange market, international financial market, and history of multinational corporations	<b>K2</b>
<b>CO3</b>	Distinguish between fixed and flexible exchange rate systems, advantages and disadvantages of foreign capital	<b>K5</b>
<b>CO4</b>	Evaluate the benefits and problems of international trade,	<b>K5</b>
<b>CO5</b>	Interpret the numerical changes in exchange value of currencies, international trade of india and to measure gains from trade	<b>K4</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	3	2	2	3	3	2	2	2.4
<b>CO2</b>	2	2	3	1	1	3	3	3	2	3	2.3
<b>CO3</b>	3	3	2	2	3	2	3	2	3	3	2.6
<b>CO4</b>	3	2	2	3	3	3	3	3	2	3	2.7
<b>CO5</b>	2	3	2	2	3	3	2	2	3	3	2.5
<b>Mean Overall Score</b>											<b>2.5</b>
<b>Correlation</b>											<b>High</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. A. Hidhayathulla**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
VI	23UEC6CC15	Core - XV	5	5	25	75	100
<b>Course Title</b>		Fiscal Economics - II					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>PUBLIC DEBT AND DEFICIT FINANCING</b> Public Debt - Causes, Classification, Benefits and Effects of Public Debt – Measurement of Burden of Public Debt – Redemption of Public Debt – *Problems of Public Debt in Developing Countries *	<b>15</b>
<b>II</b>	<b>FISCAL POLICY</b> Fiscal Policy: Meaning, objectives, Instruments, Effects, Usefulness and limitations – Expansionary and compensatory fiscal policies – Fiscal Policy Vs Monetary Policy - *Fiscal Policy of India*	<b>15</b>
<b>III</b>	<b>FEDERAL FINANCE AND BUDGETING</b> Federal Finance: Meaning, Problems and Principles – Budget: Principles of budgeting- Objectives and Types - Budgetary Procedure - Performance of Budgeting - Types of Budget Deficits -*Trends in the Budgets of the Union Government.*	<b>15</b>
<b>IV</b>	<b>FEDERAL FINANCE IN INDIA</b> Indian Federal Finance – Finance Commissions: Functions and Recommendations (Latest finance commission only) – Issues in implementing the recommendations of finance commission Review of Centre-State Financial Relations in India – *Tamil Nadu State Planning Commission*	<b>15</b>
<b>V</b>	<b>INDIAN PUBLIC FINANCE</b> Functions of Ministry of Finance: Department of Expenditure and Department of Revenue Only - Trends in India's Public Expenditure – Trends in India's Public Revenue — Sources of Public Debt for India - Trends in Deficit Financing in India - Recent Tax Reforms in India: Arguments for & against GST - Role of GST Council - *Functions of Tax Dispute Redressal Committee*	<b>15</b>
<b>VI</b>	<b>Current Trends *(For CIA only)</b> – Latest developments in fiscal federalism and fiscal policy in India-Trends of public debt, fiscal deficit, Union Budget estimates	

\*.....\* Self study

<b>Text Book(s):</b>
<ol style="list-style-type: none"> <li>1. S.K. Singh, Public Finance in Theory and Practice, S. Chand Publishing, Ninth Edition, Reprint 2021</li> <li>2. H L Bhatia, Public Finance, Vikas Publishing, Thirty First Edition, 2022</li> <li>3. Om Parkash, Economics of Public Finance, Vishal Publishing, Second Edition, 2023</li> </ol>
<b>Reference Book(s):</b>
<ol style="list-style-type: none"> <li>1. Richard A. Musgrave, Peggy B. Musgrave, Public Finance in Theory and Practice, MedTech Science Press, Sixth Revised Edition, 2024</li> <li>2. Earl R. Rolph, The Theory of Fiscal Economics, University of California Press, 2022</li> <li>3. M. Govinda Rao, Studies in Indian Public Finance, Oxford University Press, 2022</li> </ol>
<b>Web Resource(s):</b>
<ol style="list-style-type: none"> <li>1. UGC MOOCs: Public Finance and Policy in India, <a href="https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/648">https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/648</a></li> <li>2. NPTEL Course: Public Economics, Prof. Tanika Chakrabarty, IIT Kanpur, <a href="https://nptel.ac.in/courses/109104071">https://nptel.ac.in/courses/109104071</a></li> <li>3. MIT Open Course Ware: Public Economics, Massachusetts Institute of Technology, <a href="https://ocw.mit.edu/courses/14-471-public-economics-i-fall-2012/pages/syllabus/">https://ocw.mit.edu/courses/14-471-public-economics-i-fall-2012/pages/syllabus/</a></li> </ol>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	Define Public Debt, Deficit Financing, fiscal policy, budgeting and fiscal federalism	<b>K1</b>
<b>CO2</b>	Explain the sources of classification of public debt, deficit financing, fiscal policies and budgets	<b>K2</b>
<b>CO3</b>	Apply the concept of fiscal federalism in budgeting.	<b>K3</b>
<b>CO4</b>	Analyse the causes, benefits and effects of public debt and issues in implementing the recommendations of finance commission in India	<b>K4</b>
<b>CO5</b>	Compare the fiscal policy with monetary policy	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	2	1	1	3	2	2	2	2.0
<b>CO2</b>	2	3	2	1	1	3	3	2	2	2	2.1
<b>CO3</b>	1	3	2	3	2	2	2	3	2	3	2.3
<b>CO4</b>	2	2	2	3	2	3	3	2	3	2	2.4
<b>CO5</b>	1	3	2	2	2	1	2	3	2	2	2.0
<b>Mean Overall Score</b>											<b>2.17</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Mr. A. M. Z. Mohammed Arsath Ali**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
VI	23UEC6CC16	Core - XVI	5	5	25	75	100
<b>Course Title</b>		Economics of Growth and Development					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>ECONOMIC DEVELOPMENT AND GROWTH</b> Meaning and features of Economic Development - Difference between economic growth and development - Characteristics of an underdeveloped economy - Determinants of economic development: Economic and non-economic factors - Chenery's Patterns of Structural Change - Obstacles to economic development. – Role of State in Economic Development-* The Kuznets Hypothesis*	<b>15</b>
<b>II</b>	<b>MEASUREMENT OF ECONOMIC DEVELOPMENT</b> Measurement of Economic Development: GNP method, Per Capita measurement Method, Economic welfare method and social indicators – PQLI - HDI – Gender Related Development Index (GDI), Gender Empowerment Measure (GEM) -Sen's capability approach - Sustainable Development: Meaning and Objectives - Meaning and Characteristics of Modern Economic Growth- Role of the State in Socialist Society - * Entrepreneurship in Economic Development*	<b>15</b>
<b>III</b>	<b>THEORIES OF ECONOMIC DEVELOPMENT</b> Adam smith's theory – Ricardo's Model – Malthus theory - Marxian theory - Schumpeterian theory - Keynesian Theory- *Marx' Stages of growth* – Rostow's Stages of Economic Growth-	<b>15</b>
<b>IV</b>	<b>GROWTH MODELS - I</b> Lewis theory -Ranis-Fei theory- Big Push Theory - Romer's endogenous growth model – Dependency theory of development – Gerchenkon's Great Spurt Theory – Nurkse's Theory of Disguised Unemployment as a saving potential-*Harris Todaro Model*	<b>15</b>
<b>V</b>	<b>GROWTH MODELS - II</b> Harrod-Domar Model – Joan Robinson model – Golden Rule of accumulation –Balanced and unbalanced growth theories –Dualistic Theories – the Limits to growth Model - Mahalanobis Model - *Myrdal's Theory of circular causation*.	<b>15</b>
<b>VI</b>	<b>Current Trends (For CIA only) NITI Aayog reports, Recent status of India in various development indices.</b>	

\*.....\* Self study

<b>Text Book(s):</b>
1. M.L. Jhingan and BK Jhingan, The Economics of Development and Planning, Vrinda Publications(P) Ltd., 42 <sup>nd</sup> Edition, 2019
<b>Reference Book(s):</b>
1. M.L Taneja, R.M. Myer, Economics of development and planning, Vishal Publishing Co. 15th edition, January 2017
2. R.K.Lekhi, Joginder Singh, The Economics of Development and Planning, Kalyani Publishers, 2018
<b>Web Resource(s):</b>
1. <a href="https://unacademy.com/">https://unacademy.com/</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	Gain knowledge on features and indicators of economic growth and economic development,	<b>K1</b>
<b>CO2</b>	Understand the various methods of measuring economic development.	<b>K2</b>
<b>CO3</b>	Articulate various theories of Economic development and Economic Growth.	<b>K3</b>
<b>CO4</b>	Compare and correlate balanced and unbalanced theories of development	<b>K4</b>
<b>CO5</b>	Assess economic development on the basis of sustainable development goals	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of Cos</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	3	2	2	2	2	3	3	2	2	2.4
<b>CO2</b>	3	2	2	1	1	3	3	3	2	3	2.3
<b>CO3</b>	2	3	3	2	3	2	3	2	3	3	2.6
<b>CO4</b>	3	2	3	3	2	3	3	3	2	3	2.7
<b>CO5</b>	2	3	2	2	3	3	2	2	3	3	2.5
<b>Mean Overall Score</b>											<b>2.5</b>
<b>Correlation</b>											<b>High</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: Dr. J. Mohamed Zeyavudheen

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
VI	23UEC6DE2A	Discipline Specific Elective - II	5	4	25	75	100
<b>Course Title</b>		Environmental Economics					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>BASICS OF ENVIRONMENTAL ECONOMICS</b> Definition and scope of Environmental Economics – Environment and Economics - Economic functions of Environment – Material Balance Principle – Limited assimilative capacity – Environmental pollution - *Economic Growth and Environmental Quality*	<b>15</b>
<b>II</b>	<b>ENVIRONMENTAL PROBLEMS</b> *Causes of Environmental Pollution: Urbanization and Population#* Types of Pollution: Definitions of Land, Air pollution, Water pollution, Noise pollution — Causes, Effects and controlling measures of Land, Air, Water, Noise pollutions.	<b>15</b>
<b>III</b>	<b>GLOBAL ENVIRONMENTAL ISSUES</b> Global Warming – Ozone Depletion – Green House Effect – Acid rain – Loss of Bio-Diversity – Treaties and Agreements at Global level: Stockholm Conference – Rio Summit – Kyoto Protocol – UN-REDD – Nagoya Protocol – *COP27*	<b>15</b>
<b>IV</b>	<b>ENVIRONMENTAL PROBLEMS AND POLICIES IN INDIA</b> Environmental Quality in India – Role of Government – Environmental Laws: Water (Prevention and Control of pollution) Act, Air (Prevention and Control of pollution) Act – The Environment (Protection) Act 1986 – Environmental Movements: CHIPKO, APPIKO, Save Silent Valley Movement – Save Narmada Movement - *Tamilnadu Pollution Control Board*	<b>15</b>
<b>V</b>	<b>SUSTAINABLE DEVELOPMENT AND ENVIRONMENTAL PROTECTION</b> Limits to growth – Sustainable Development - Sustainable Development goals in Thirukkural - Pollution control measures: Moral Suasion, Regulation, Prohibition and Fiscal Techniques. *Environmental Education.*	<b>15</b>
<b>VI</b>	<b>Current Trends *(For CIA only) – Sustainable Development Goals-Green energy measures in India</b>	

\*.....\* Self Study

<b>Text Book(s):</b>
1. S. Sankaran: Environmental Economics, Margham Publications, 3 rd Edition, 2004 2. M. Karpagam: Environmental Economics, Sterling Publishers Private Limited, Enlarged Edition 2011 3. T. Eugene: Environmental Economics, Vrinda Publications (P) Ltd, 1 st Edition, 2004
<b>Reference Book(s):</b>
1 Ahmed Hussen: Principles of Environmental Economics, Routledge, 2 nd Edition, 2004 2. N. Mani, Environmental Economics, New Century Publications, 1 st Edition, 2020 3. Somashekar, Ne. Thi., Development and Environmental economics, New Age International Pvt, ltd, 2 ndEdition, 2019
<b>Web Resource(s):</b>
1. <a href="http://moef.gov.in/">http://moef.gov.in/</a> 2. <a href="http://www.cpcb.nic.in/">http://www.cpcb.nic.in/</a> 3. <a href="http://www.careerlauncher.com/rbi-grade-b/">http://www.careerlauncher.com/rbi-grade-b/</a> 4. <a href="http://hdr.undp.org/">http://hdr.undp.org/</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	understand the linkages between Environmental Degradation and Economic Development.	<b>K1</b>
<b>CO2</b>	Identify the contemporary global, national and local level environmental problems	<b>K2</b>
<b>CO3</b>	Analyse various policies related to environment economics	<b>K3</b>
<b>CO4</b>	Explain the environmental quality and the role of stakeholders to improve the environmental quality	<b>K4</b>
<b>CO5</b>	Compile and prepare an environmental policy	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	2	1	1	3	2	2	2	2.0
<b>CO2</b>	2	3	2	1	1	3	3	2	2	2	2.1
<b>CO3</b>	1	3	2	3	2	2	2	3	2	3	2.3
<b>CO4</b>	2	2	2	3	2	3	3	2	3	2	2.4
<b>CO5</b>	1	3	2	2	2	1	2	3	2	2	2.0
<b>Mean Overall Score</b>											<b>2.17</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr. A. Khan Mohamed**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
VI	23UEC6DE2B	Discipline Specific Elective - II	5	4	25	75	100
<b>Course Title</b>		International Marketing					

SYLLABUS		
Unit	Contents	Hours
I	<b>Basic concepts of International Marketing</b> International Marketing: Meaning – Definition – Benefits - Barriers – Domestic Marketing Vs International Marketing – *International Market Entry Modes*	15
II	<b>International Market Environment</b> EPRG Framework - Socio Cultural Environment – Elements of Culture - Culture Analysis - Political and Legal Environment – International Embargoes and Sanctions - *Political risk and legal factors*	15
III	<b>International Market Assessment and Planning</b> International Market Selection – Segmentation – Data Mining and Market Segmentation –Strategies –*International Marketing: Planning and Control*	15
IV	<b>Promotion Strategy in International Marketing</b> The international Product life cycle - Global product policy - Global branding and Positioning – Role of IPR in International Marketing – *Measures to restrict Gray market*	15
V	<b>International Economic Co-operation Agreements</b> Meaning of Economic Co-operation Agreements – Functions of Trading blocs - Objectives and Functions of EEC - EFTA, COMECON - NAFTA - LAFTA - CEFTA – *ASEAN*	15
VI	<b>Current Trends *(For CIA only)</b> –International Co-Operations and Sanctions, Treaties, geo political issues affecting international marketing	

\*.....\* Self study

<b>Text Book(s):</b>
<ol style="list-style-type: none"> <li>1. Francis Cherunilam, International Marketing, Himalaya Publishing House, 4<sup>th</sup> Edition, 2016</li> <li>2. Srinivasan.R, International Marketing, Prentice Hall of India, 4<sup>th</sup> Edition 2016</li> <li>3. Varshney RL &amp; B.Bhattacharyya, International Marketing Management, Sultan Chand Publishers, Revised Edition 2020</li> </ol>
<b>Reference Book(s):</b>
<ol style="list-style-type: none"> <li>1. Philip R. Cateora, Bruce Money, Mary C. Gilly, John Graham, International Marketing, McGraw Hill, 18<sup>th</sup> Edition, 2019</li> <li>2. Michael Czinkota, Ilkka Ronkainen, Annie Cui, International Marketing, Cengage Learning, 11<sup>th</sup> Edition, 2022</li> </ol>
<b>Web Resource(s):</b>
<ol style="list-style-type: none"> <li>1. NPTEL Course: International Marketing, Prof. Dr Biswarup Ghosh, IIT Kharagpur, <a href="https://onlinecourses.nptel.ac.in/noc22_mg50/preview">https://onlinecourses.nptel.ac.in/noc22_mg50/preview</a></li> <li>2. Coursera: Intro to International Marketing <a href="https://www.coursera.org/learn/intro-international-marketing">https://www.coursera.org/learn/intro-international-marketing</a></li> </ol>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	Define International Marketing, Culture, Market Segmentation and Economic Co-Operation.	<b>K1</b>
<b>CO2</b>	Explain the benefits and barriers of international marketing, objectives and functions of trading blocs and International Promotion Strategy	<b>K2</b>
<b>CO3</b>	Apply the EPRG framework to identify the international Marketing environment	<b>K3</b>
<b>CO4</b>	Analyse the importance of global product policy, Role of IPR and product positioning in international marketing.	<b>K4</b>
<b>CO5</b>	Compare the features of domestic marketing with international marketing.	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	2	1	1	3	2	2	2	2.0
<b>CO2</b>	2	3	2	1	1	3	3	2	2	2	2.1
<b>CO3</b>	1	3	2	3	2	2	2	3	2	3	2.3
<b>CO4</b>	2	2	2	3	2	3	3	2	3	2	2.4
<b>CO5</b>	1	3	2	2	2	1	2	3	2	2	2.0
<b>Mean Overall Score</b>											<b>2.17</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Mr. A. M. Z. Mohammed Arsath Ali**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
VI	23UEC6DE3A	Discipline Specific Elective - III	4	4	25	75	100
<b>Course Title</b>		Managerial Economics					

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>NATURE AND SCOPE OF MANAGERIAL ECONOMICS</b> Managerial Economics: Meaning, definition - Nature and scope - Chief characteristics - Significance and scope - Managerial economist: Role and Responsibilities – *Concepts: risk and uncertainty*	<b>12</b>
<b>II</b>	<b>DEMAND FORECASTING</b> Demand Forecasting: Purpose, steps - Determining scope of forecasting exercise - Determinates of demand forecasting - Methods of demand forecasting - criteria for the choice at a good forecasting method - *case study*	<b>12</b>
<b>III</b>	<b>SUPPLY AND PRODUCTION DECISION</b> Law of supply - Determinants of supply - Elasticity of supply - Methods of measuring elasticity of supply - Theory of production and meaning - Production function - *Three stages of production*	<b>12</b>
<b>IV</b>	<b>PRICING TECHNIQUES AND PROFIT MANAGEMENT</b> Dimensions of pricing - Objectives of pricing - Profit maximization rule - Peak load pricing - Skimming pricing - Cost-plus Pricing - Target Returning Pricing - Markup Pricing - Differential Pricing Method - Perceived Value Pricing Method - Going-rate Pricing Method - Psychological Pricing. Concept of Profit – Profit policies – Measurement of profit – *Profit Planning and control*	<b>12</b>
<b>V</b>	<b>MANAGERIAL CONCEPTS IN THIRUKKURAL</b> Approach towards higher authorities – Decision making – Leadership – Administration – Project planning – Communication – Recruitment – Delegation of powers – Motivation – Diplomacy - *Qualities of Manager*	<b>12</b>
<b>VI</b>	<b>Current Trends *(For CIA only) – Case Studies of Demand Forecasting by MNCs</b>	

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<b>Text Book(s):</b>
1. M.L.Jhingan & J.K.Stephen, Managerial Economics, Vrinda Publications, Reprint 2006. 2. R.Cauvery & SudhaNayak, Managerial Economics, S.Chand& Company, 3rd Edition, Reprint 2010. 3. S.Sankaran, Managerial Economics, Margham Publications, Reprint 2015.
<b>Reference Book(s):</b>
1. P.L.Metha, Managerial Economics, Sultan Chand & Sons, 2016. 2. R.L.Varshney, K.L. Maheshwari, Managerial Economics, Sultan Chand & Sons, 2018

<b>Web Resource(s):</b>	
1.	<a href="https://www.analyticssteps.com/blogs/nature-and-scope-managerial-economics#google_vignette">https://www.analyticssteps.com/blogs/nature-and-scope-managerial-economics#google_vignette</a>
2.	<a href="https://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/S000023MA/P001405/M022210/ET/1504681228Module-10Q-III.pdf">https://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/S000023MA/P001405/M022210/ET/1504681228Module-10Q-III.pdf</a>
3.	<a href="https://openpress.usask.ca/econ211/chapter/module-6/">https://openpress.usask.ca/econ211/chapter/module-6/</a>
4.	<a href="https://unacademy.com/content/cbse-class-12/study-material/entrepreneurship/methods-of-pricing/">https://unacademy.com/content/cbse-class-12/study-material/entrepreneurship/methods-of-pricing/</a>
5.	<a href="http://thirukkuralandmanagement.blogspot.com/p/management-concept-intro.html">http://thirukkuralandmanagement.blogspot.com/p/management-concept-intro.html</a>

<b>Course Outcomes</b>		
Upon successful completion of this course, the student will be able to:		
<b>CO No.</b>	<b>CO Statement</b>	<b>Cognitive Level (K-Level)</b>
<b>CO1</b>	Enumerate the factors influencing elasticity of supply.	<b>K1</b>
<b>CO2</b>	Explain the roles and responsibilities of a managerial economist.	<b>K2</b>
<b>CO3</b>	Illustrate the methods of demand forecasting, pricing techniques,	<b>K3</b>
<b>CO4</b>	Analyze the various profit policies practiced by firms.	<b>K4</b>
<b>CO5</b>	Examine the solutions for business problems from the ideas found in Indian Knowledge system.	<b>K5</b>

**Relationship Matrix:**

<b>Course Outcomes (COs)</b>	<b>Programme Outcomes (POs)</b>					<b>Programme Specific Outcomes (PSOs)</b>					<b>Mean Score of COs</b>
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	
<b>CO1</b>	3	2	2	2	1	1	3	2	2	2	2.0
<b>CO2</b>	2	3	3	1	1	3	3	2	2	1	2.1
<b>CO3</b>	1	3	3	3	2	2	3	3	2	2	2.4
<b>CO4</b>	2	2	2	3	2	3	3	2	3	3	2.5
<b>CO5</b>	1	3	3	2	2	1	2	3	2	2	2.1
<b>Mean Overall Score</b>											<b>2.22</b>
<b>Correlation</b>											<b>Medium</b>

<b>Mean Overall Score</b>	<b>Correlation</b>
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr.K.N.Mohamed Fazil**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
VI	23UEC6DE3B	Discipline Specific Elective - III	4	4	25	75	100
<b>Course Title</b> Practice of Cooperation in India							

SYLLABUS		
Unit	Contents	Hours
<b>I</b>	<b>COOPERATION</b> Concept–Features–Benefits of Cooperation –Values Cooperative Principles: – Evolution of Cooperative Principles – Rochdale Principles - Reformulation of Cooperative Principles by ICA 1937, 1966 - *Cooperative Identity Statement 1995.*	<b>12</b>
<b>II</b>	<b>COOPERATIVE DEVELOPMENT IN INDIA</b> Pre-independence Era: Evolution, Nicholson Report, Features of Cooperative Societies Act 1904 and 1912 – MacLagan Committee (1914) –Royal Commission on Agriculture (1927) – *Cooperative Planning Committee (1945).*	<b>12</b>
<b>III</b>	<b>COOPERATIVE DEVELOPMENT UNDER FIVE YEAR PLANS</b> Major findings and Recommendations of AIRCSC 1954, AIRCRC 1969, Metha Committee, CRAFTCARD 1979, Agricultural Credit Review Committee 1989 – Integrated Cooperative Development Project (ICDP) – *Development Action Plan (DAP).*	<b>12</b>
<b>IV</b>	<b>RECENT DEVELOPMENTS IN THE COOPERATIVE SECTOR</b> Recent Committees and Commissions: Kapoor Committee, K. Madhava Rao Committee on Urban Banks, Vaidhyathan committee Recommendations (Task Force STCCS). Report of the High Powered Committee on Cooperatives 2009, - *Constitution (Amendment) Act 2011*	<b>12</b>
<b>V</b>	<b>CO-OPERATIVE CREDIT IN INDIA</b> Classification of Cooperatives as Agriculture and Non-Agricultural – Primary Agricultural Credit Society - Urban Cooperative Banking - District Central Cooperative Bank - *State Cooperative Bank*.	<b>12</b>
<b>VI</b>	<b>Current Trends *(For CIA only) – The Multi-State Cooperative Societies (MSCS) (Amendment) Act, 2023</b>	

\*.....\* Self Study

<b>Text Book(s):</b>
1. G.R. Madan– Co-Operative Movement in India, Mittal Publications, 2007 2. Dr. B.S. Mathur– Co-Operation in India, SBPD Publication, 2015 3. T. N. Hajeela – Co-Operation: Principles, Problems and Practice, Ane Books Pvt Ltd, 2016
<b>Reference Book(s):</b>
1. Dr. V.Kvlandaisamy, Co-operative Management, Arudra Academy, First Edition 2002.
<b>Web Resource(s):</b>
1. <a href="https://www.slvrrec.com/content/7-cooperative-principles">https://www.slvrrec.com/content/7-cooperative-principles</a> 2. <a href="http://www.eleutera.org/wp-content/uploads/2015/07/The-Evolution-of-Cooperation.pdf">www.eleutera.org/wp-content/uploads/2015/07/The-Evolution-of-Cooperation.pdf</a> 3. <a href="https://www.shmoop.com/economic-systems/types.html">https://www.shmoop.com/economic-systems/types.html</a> 4. <a href="http://ageconsearch.umn.edu/bitstream/27233/1/35020034.pdf">http://ageconsearch.umn.edu/bitstream/27233/1/35020034.pdf</a>

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Familiarize with the history, values of cooperation	K1
CO2	Comprehend evolution and reformulation of cooperative principles	K2
CO3	Understand the contribution of various committees during planning period	K3
CO4	Analyze the recent developments in the Cooperative Sector	K4
CO5	Identify and analyse the development of various types of cooperatives in India	K5

**Relationship Matrix:**

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	2	2	1	1	3	2	2	2	2.0
CO2	2	3	3	1	1	3	3	2	2	1	2.1
CO3	1	3	3	3	2	2	3	3	2	2	2.4
CO4	2	2	2	3	2	3	3	2	3	3	2.5
CO5	1	3	3	2	2	1	2	3	2	2	2.1
Mean Overall Score											2.22
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

**Course Coordinator: Dr.M.A.Raja Mohamed**