

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 (4th 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		Discipline Specific Elective - I		5	4	25	75	100
	23UEC5SE1	IV	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		Discipline Specific Elective - II		5	4	25	75	100
	23UEC6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UEC6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
23UECECA		Extra Credit Course for all**	Online Course	-	**	-	-	-	
Total					30	29			700
Grand Total					148				4400

* Programme Specific Online Course for Advanced Learners

** Any Online Course for Enhancing Additional 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
Course Title		Micro Economic Analysis – I					

SYLLABUS

Unit	Contents	Hours
I	Definitions of Economics 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	Economic Analysis 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	Scope and Functions of Micro Economics 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	Consumer Behaviour (Cardinal Utility) 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	Cardinal Utility Analysis of Demand 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	Current Trends (For CIA only) – Contemporary developments related to the course during the semester concerned.	

..... Self study

Text Book(s):

1. Sankaran.s Micro economics, Margham publications, 7th edition, 2014
2. Cauvery and others, Sapna book house, 3rd Edition, 2018.

Reference Book(s):

1. John Kennedy.M , Himalaya publishing house,2nd Edition, 2018
2. Jhinghan M.L, Vrinda publications, 8th Edition, 2018.

Web Resource(s):

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
Course Title		Money and Banking					

SYLLABUS

Unit	Contents	Hours
I	Evolution of Money and Monetary standards 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	Demand and Supply of Money *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	Commercial Banking 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	Central banking Principles of Central Banking – Functions of Central Bank – The Reserve Bank of India : *Organisation* and Management – Functions of RBI.	12
V	Credit Control and Monetary Policy *Objectives of Credit Control*– Methods of Credit Control: Quantitative and Qualitative - Monetary Policy : Objectives, Importance and Limitations.	12
VI	Current Trends (For CIA only) Monetary policy review-Non-performing Assets,-changes in money supply and Note issue	

..... Self study

Text Book(s):
1. 1. K. Nirmala Prasad Banking theory Law And Practice, Himalaya Publishing House, 1 st Edition, Reprint 2017 2.M.L Seth, Monetary Economics, Lakshmi Narain Agarwal,15 th Revised Edition 2018 3.Sankaran Monetary Economics, Margham Publications, 6 th Revised edition, 2007 4. K.N.verma Monetary system, Vishal publishing co. 1 st Edition 2012
Reference Book(s):
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 st Edition 1985. 3.FredericS.Mishkin, Monetary Policy Strategy PHA Learning Pvt Ltd 1 st Edition 2007.
Web Resource(s):
1. www.yourarticlelibrary.com 2.ww.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	Explain Money & Banking concepts.	K1
CO2	Explain the Central and Commercial Banks functions.	K2
CO3	Make use of Quantitative tools to study the Impact of money supply.	K3
CO4	Examine the credit creation Process.	K4
CO5	Discuss the System of Note issue and Control of Money supply.	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	1	2	2	3	2	2	1	1	2	1.9
CO2	3	2	2	2	3	2	2	1	1	2	2
CO3	3	3	1	2	3	2	3	1	2	3	2.3
CO4	2	3	1	1	2	2	3	3	2	3	2.2
CO5	2	2	1	1	3	2	3	1	1	2	1.8
Mean Overall Score											2.04
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
I	23UEC1AC1	Allied - I	4	3	25	75	100
Course Title		Economic Statistics – I					

SYLLABUS

Unit	Contents	Hours
I	Introduction to Statistics 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	Collection and Processing of Data 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	Measures of Central Tendency 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	Measures of Dispersion 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	Skewness Skewness: Need and meaning; Tests of skewness; Measures of skewness – Karl Pearson, Bowley and #Kelly Methods. – *Kurtosis: Meaning, importance and types*.	12

..... Self study

Text Book(s):
1. S.P.Gupta, Statistical Methods, Sultan Chand & Sons, 37 th Edition, 2017
Reference Book(s):
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
Web Resource(s):
1. www.yourarticlelibrary.com
2. ww.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	Explain statistics, sampling, population, Organize, manage and present primary data, secondary data, frequency distribution and diagrams, measures of central tendency, dispersion, skewness and kurtosis	K1
CO2	Compare and contrast the measures of central tendency and dispersion	K2
CO3	Solve Arithmetic Mean, Harmonic Mean, Geometric Mean, Median, Mode, Range, Inter Quartile Range and Semi-Inter Quartile Range.	K3
CO4	Solve Quartile Deviation, mean deviation from mean and median.	K4
CO5	Analyse data through standard deviation, skewness and kurtosis.	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	1	3	2	2	3	2	2	2	2.2
CO2	2	2	1	2	2	2	2	2	2	2	1.9
CO3	2	2	1	2	2	1	2	2	2	2	1.9
CO4	3	3	1	2	3	2	3	1	3	2	2.2
CO5	2	1	3	2	2	2	2	3	2	2	2.1
Mean Overall Score											2.06
Correlation											Medium

Mean Overall Score	Correlation
< 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
Course Title		Marketing					

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

..... Self study

Text Book(s):
1. R. S. N. Pillai & Bahavathi, Modern Marketing, S. Chand & Company, 4 th Revised Edition, 2012
Reference Book(s):
J. Jayasankar, Marketing, Margham Publications, 2 nd Edition, 2013
2. S. A. Sherlekar, Principles of Marketing, Himalaya Publishing House, Revised Edition, 2010
Web Resource(s):
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	
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: K. N. Mohamed Fazil

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
I	23UCN1AE1	AECC - I	2	2	-	100	100
Course Title		Value Education for Men					

SYLLABUS		
Unit	Contents	Hours
I	VALUES IN LIFE: Purpose and philosophy of life – Need for values –five fold moral culture. Values: truth, loyalty, integrity, humility, trustworthy, considerate, not being greedy, clean habits, punctuality, kindness, gratitude, patience, respect and character building.	6
II	PERSONAL WELLBEING: Social responsibility - taming a healthy mind and body – personal hygiene - Balanced diet – meditation – yoga - positive thinking – introspection - a passion for Nature- Win-win strategy.	6
III	ROLE OF MEN IN FAMILY: As a responsible student – committed employee - loyal husband - dedicated father – fatherhood- sacrificing human – considerate true friend.	6
IV	MAN A SOCIAL BEING: A friendly neighbour - living a life with definite motives – emotions and moral desire- uncompromising will power- puberty-secondary sexual characters- marriage: Purpose – marital life- Harmony with spouse- fidelity towards spouse.	6
V	PROFESSIONAL VALUES: More of a giver than a taker - being compassionate – patriotism - respecting culture - dependence on God – avoiding worry-professional ethics.	6

Hours of Teaching: 5 Hours and Hours of Activity: 25 Hours

Textbook(s):
1. Value Education for health, Happiness and harmony, the world community service centre, Vethathri Publications
2. N. Venkataiah, Value Education, APH Publishing Corporation, New Delhi, 1998
3. K.R. Lakshminarayanan and M. Umamageshwari, Value Education, Nalnilam Publication, Chennai.
Web References:
1. https://www.slideshare.net/humandakakayilongranger/values-education-35866000
2. https://www.ananda.org/blog/5-secrets-to-a-harmonious-marriage/
3. https://www.un.org/esa/socdev/family/docs/men-in-families

Activity:

- Assignment on Values (not less than 20 Pages)
- Multiple Choice Questions and Quiz
- Elocution - (Manners and good Habits for 3 to 5 minutes)
- Field Visit
- Debating - Current issues
- Essay writing: Proper use of e-gadgets, Ethics, Cyber ethics, Social media, etc.,
- Case Study / Album Making / Poster Presentation / Documentary- Celebrating National Days, Drug abuse & illicit trafficking, Independence Day, Secularism, Teachers Day, National Youth Awakening Day, Father's Day / Mother's Day and etc.,

EVALUATION COMPONENT: TOTAL: 100 MARKS**Component I:**

Documentary (or) Poster Presentation (or) Elocution - 25 marks

Component II:

Quiz (or) Multiple choice questions Test - 25 marks

Component III:

Album Making (or) Case Study on a topic (or) Field visit - 25 marks

Component IV:

Assignment (or) Essay Writing (or) Debating - 25 marks

Course Coordinator: Dr. M. Purushothaman

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

SYLLABUS		
Unit	Contents	Hours
I	Economic Transformation in India 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*	15
II	Demographic Features of India 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*	15
III	Poverty and Unemployment 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*	15
IV	Agriculture, Industry and Service Sector 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*	15
V	Economic Reforms 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*	15
VI	Current Trends (For CIA only) – Recent Population Census, Periodical Unemployment Estimates	

..... Self study

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

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
Course Title		Micro Economic Analysis – II					

SYLLABUS		
Unit	Contents	Hours
I	<p>Elasticity of Demand and Supply 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*</p>	12
II	<p>Consumer Behaviour (Ordinal utility) 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*</p>	12
III	<p>Theory of Production Laws 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*</p>	12
IV	<p>Production Function and Returns to Scale 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)*</p>	12
V	<p>Scale of Production 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*</p>	12
VI	<p>Current Trends (For CIA only) – Contemporary developments related to the course during the semester concerned.</p>	

..... Self study

Text Book(s):
1. Sankaran.s Micro economics, Margham publications, 7 th Edition, 2014 2. Cauvery, Sapna book house, 3 rd Edition, 2018.
Reference Book(s):
1. John kennedy.M , Himalaya publishing house, 2 nd Edition, 2018 2. Jhinghan M.L, Vrinda publications, 8 th Edition 2018
Web Resource(s):
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
Course Title		Economic Statistics – II					

SYLLABUS

Unit	Contents	Hours
I	Association of Attributes 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	Correlation and Regression 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	Index Numbers 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	Time Series 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	Probability 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

Text Book(s):
1. S.P.Gupta, Statistical Methods, Sultan Chand & Sons, 37 th Edition, 2017
Reference Book(s):
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
Web Resource(s):
1. www.yourarticlelibrary.com
2. ww.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	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

Course Title	Computer Applications in Economics - Practical
---------------------	--

SYLLABUS

Unit	Contents	Hours
I	<p>Ms Office Word 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*.</p>	9
II	<p>Ms Office Power Point 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*.</p>	9
III	<p>Ms Office Excel 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*.</p>	9
IV	<p>Introduction to SPSS 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*.</p>	9
V	<p>Applications in Economics 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*.</p>	9

..... Self study

Text Book(s):
1.S.V. Srinivasa Vallabhan, Computer Applications in Business, Sultan Chand & Sons, New Delhi, 3 rd Edition,Reprint, 2011 2.Dr.K.Dhanasekaran, Computer Applications in Economics, Vrinda Publications (P) Ltd, Delhi, 1 st Edition 2010.
Reference Book(s):
1.Eric L. Etinspruch, An Intermediate Guide to SPSS for Windows, SAGE Publications, Inc, New Delhi, 2 nd 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.
Web Resource(s):
1.www.microsoft.com/tutorial 2.www.spss.com/tutorial

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 basic functions of menus of the MS Word.	K1
CO2	Apply the subject theme of MS Power point slides.	K2
CO3	Analyze the skill in data processing and calculating in Excel.	K3
CO4	Estimate the statistical tools using SPSS.	K4
CO5	Evaluate the use of SPSS in macro-economic variables.	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	3	3	2	2	3	2	2.4
CO2	2	3	2	2	3	3	2	2	3	2	2.4
CO3	2	3	2	2	3	2	2	2	3	2	2.3
CO4	2	2	2	2	3	3	2	2	3	2	2.3
CO5	2	2	2	2	3	3	2	3	3	2	2.4
Mean Overall Score											2.4
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
II	23UCN2SS	Soft Skills Development	2	2	-	100	100
Course Title		Soft Skills Development					

SYLLABUS		
Unit	Contents	Hours
I	Communication Skills: Verbal and Non - Verbal communication - The active vocabulary - Conversational Etiquette - KOPPACT syndrome	6
II	Emotional Skills: Emotional Intelligence - The five steps to Emotional Quotient - Self Awareness and Regulation - Empathy - Social Intelligence - stress management - coping with failures	6
III	Functional Skills: Using the tools of communicatory and emotional skills - Resume writing - Preparation of Curriculum Vitae - interview skills - Acing the interview - Group dynamics - Mock interviews and Group discussions	6
IV	Interpersonal Skills: Synergising relationships - SWOT analysis - SOAR analysis - The social skills - Time Management - Decision making - problem solving - prioritising and Implementation	6
V	Personality Skills: Leadership skills - Attributes and Attitudes - Social leader Vs The Boss - critical and creative thinking	6

Hours of Teaching : 5 hours and Hours of Activity: 25 hours

Textbook(s):
<ol style="list-style-type: none"> 1. Social intelligence: The new science of human relationships - Daniel Goleman; 2006. 2. Body Language in the workplace - Allan and Barbara Pease; 2011. 3. Student's Hand Book: Skill Genie - Higher education department, Government of Andhra Pradesh.
Web References:
<ol style="list-style-type: none"> 1. https://nptel.ac.in/courses/109105110

EVALUATION CRITERIA

Work Book (Each unit carries 10 marks)	-	50 Marks
Examination	-	50 Marks

1. Teacher who handles the subject will award 50 marks for work book based on the performance of the student.
2. On the day of examination the examiners (Internal & External) will jointly award the marks for the following categories:
 - Self-Introduction - 20 Marks
 - Resume - 10 Marks
 - Mock Interview - 20 Marks

To assess the self-introduction, Examiners are advised to watch the video presentation submitted by the students. If they failed to submit the video presentation, the Examiners may direct the student to introduce himself orally and a maximum 10 marks only will be awarded.

Mock Interview Marks Distribution

(20-Marks)

Attitude (self interest, confidence etc.) (4 Marks)	Physical appearance including dress code (4 Marks)	Communication Skills (6 Marks)	Answering questions asked from the resume and work book (6 Marks)
--	--	--------------------------------------	---

Course Coordinator:
Dr. M. Syed Ali Padusha

Semester	Course Code	Course Category	Hours/Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UEC3CC5	Core – V	4	4	25	75	100
Course Title		Micro Economic Analysis – III					
SYLLABUS							
Unit	Contents						Hours
I	Theory of Product Pricing 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 *						12
II	Perfect Competition Definition of Perfect Competition – Features and conditions – Price Determination Under Perfect Competition - Equilibrium price – Short Period Equilibrium – *Long Period Equilibrium*						12
III	Monopoly and Price Discrimination 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*						12
IV	Monopolistic Competition and Oligopoly 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)*						12
V	Distribution Theory Functional and personal distribution – Marginal Productivity theory of distribution – Product Exhaustion Theorem – *Concepts of VMP and MRP*						12
VI	Current Trends (For CIA only) – Contemporary developments related to Micro Economics during the semester concerned.						

..... Self study

Text Book(s):
1. Sankaran.s Micro economics, Margham publications, 7 th Edition, 2014 2. Cauvery and others, Sapna book house, 4 th Edition, 2018.
Reference Book(s):
1. John Kennedy.M , Micro Economics, Himalaya publishing house, 4 th Edition, 2018 2. Jhinghan M.L, Micro Economics, Vrinda publications, 8 th Edition 2018
Web Resource(s):
1. UGC MOOCs: Micro economics analysis and Policy, https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/720 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
Course Title		Industrial Economics					

SYLLABUS		
Unit	Contents	Hours
I	Introduction 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	Micro, Small and Medium Enterprises 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	Industrialisation 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	Industrial Productivity 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	Rationalisation in Industry 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	Current Trends *(For CIA only) – Contemporary developments related to industrial developments during the semester concerned.	

..... Self study

Text Book(s):
1. Renjana Seth, Industrial Economics, Ane Books Pvt. Ltd, 1 st Edition 2015. 2. A.K. Sharma, Industrial Economics, Anmol Publications, 1 st Edition 2006.
Reference Book(s):
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
Web Resource(s):
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	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
Course Title		Mathematical Applications in Economics					

SYLLABUS		
Unit	Contents	Hours
I	Introduction 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	Differentiation 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	Partial Differentiation 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	Integration Definition - Rules of integration – Constant of Integration - Simple problems only - Total cost and Total Revenue (integration)	12
V	Matrix Algebra and Determinants Types of Matrices- Matrix Operations – Addition – Subtraction- Matrix Multiplication – Transpose –Determinants, Inverse and Properties (Problems). *Meaning of Input-Output Model*	12
VI	Current Trends *(For CIA only) – Contemporary developments related to the Mathematical Applications for Economics	

..... Self study

Text Book(s):
<ol style="list-style-type: none"> 1. Mehta B.C. and Madnani G.M.K.: Mathematics for Economists, Sultan Chand & Sons, 9th Edition, Reprint 2013 2. D. Bose, An Introduction to Mathematical Methods, Himalaya Publishing House, 1st Edition, Reprint 2017
Reference Book(s):
<ol style="list-style-type: none"> 1. Allen, R.G.D.: Mathematical Analysis for Economists, MacMillan and Company Limited, 4th Edition, 2015 2. Chiang. A.C: Fundamental Methods of Mathematical Economics, McGrawhill Education, 4th Edition, 2017 3. Yamane, Taro: Mathematics for Economists, Prentice Hall Publication, 2nd Edition, 2009 3.
Web Resource(s):
<ol style="list-style-type: none"> 1. Swayam course: mathematical economics, https://swayam.gov.in/nd2_ugc19_hs41/preview 2. https://www.coursera.org/learn/mathematics-for-economists 3. https://mitpress.mit.edu/9780262294805/mathematics-for-economics/ 4. https://hummedia.manchester.ac.uk/school/soss/economics/pg/psmaths/pre-sessionmathbook.pdf 5. https://mitpress.mit.edu/9780262046626/mathematics-for-economics/

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
≥ 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
III	23UEC3AC6	Allied - VI	3	2	25	75	100
Course Title		Human Resource Management					

SYLLABUS		
Unit	Contents	Hours
I	Basics of Human Resource Management 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*	9
II	Human Resource Planning 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*	9
III	Qualitative Manpower Requirements 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)	9
IV	Training and Development 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*	9
V	Performance Monitoring and Appraisal 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*	9
VI	Current Trends *(For CIA only) – Contemporary developments related to the course during the semester concerned.	

..... Self Study

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

Web Resource(s):

1. <https://www.careers360.com/university/indira-gandhi-national-open-university-new-delhi/ts-7-human-resource-development-certification-course>
2. https://onlinecourses.swayam2.ac.in/cec23_mg02/preview
3. https://onlinecourses.swayam2.ac.in/cec21_mg06/preview

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 on the basics of Human Resource Management.	K1
CO2	Identify the steps in the formulation of Human Resource Policies.	K2
CO3	Demonstrate the process of Human Resource Planning.	K3
CO4	Describe the quality aspects of manpower requirements	K4
CO5	Evaluate the methods and techniques of Human Resource Training	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. 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
Course Title		Fundamentals of Economics					

SYLLABUS		
Unit	Contents	Hours
I	Definition and Branches of Economics: 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*	6
II	Demand and Supply Analysis: Utility –Need – Want - Demand – Law of Demand – Exceptions to Law of Demand Elasticity of Demand – Marginal unity – Supply –*Elasticity of Supply*	6
III	Production Analysis: Meaning of production – factors of production – production function – opportunity cost – fixed cost – variable cost – marginal cost – *Difference between Cost and Price*	6
IV	Market Structures: Meaning of market – Perfect competition- Monopoly – Monopolistic competition – oligopoly – *Price Discrimination.*	6
V	Macro-Economic Concepts: Inflation – Deflation - Monetary Policy – fiscal policy – Balance of Payment – *Trade Cycle*	6
VI	Current Trends * (For CIA only) – Contemporary developments related to economics and contribution of Nobel laureates in economics.	

..... Self Study

Text Book(s):
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 th Edition, 2010
Reference Book(s):
1. N Gregory Mankiv, Principles of Economics, Cengage, 8 th Edition, 2022 2. M.L. Seth, Principles of Economics, Lakshmi Narain Agarwal, Educational Publishers, 2017
Web Resource(s):
1. NPTEL Course: Principles Of Economics by Prof. Sabuj Kumar Mandal, IIT Madras, https://onlinecourses.nptel.ac.in/noc23_ec06/preview 2. UGC MOOCs: Fundamentals of Macroeconomic Theory, https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_pg/642 3.Stanford Online Course: Principles of Economics, Stanford School of Humanities and Sciences, https://online.stanford.edu/courses/sohs-yeconschool-principles-economics

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Facilitate with fundamentals of economics.	K1
CO2	Integrate the knowledge about demand and supply.	K2
CO3	Understand the basic concepts in productions and cost.	K3
CO4	Ability to know the market structure.	K4
CO5	Analyse the concepts in macroeconomics.	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
III	23UCN3AE2	AECC - II	2	2	-	100	100
Course Title		Environmental Studies					

Unit	Contents	Hours
I	The multidisciplinary nature of environmental studies Definition, scope, importance, awareness and its consequences on the planet.	6
II	Ecosystems: Definition, structure and function of ecosystem; Energy flow in an ecosystem: food chain, food web and ecological succession. Case studies of the following ecosystems: a) Forest ecosystem b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)	6
III	Natural Resources: Renewable and Non-renewable Resources: Land Resources and land use change; Land degradation, soil erosion and desertification. Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). Heating of earth and circulation of air; air mass formation and precipitation. Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies. renewable energy resources significance of wind, solar, hydal, tidal, waves, ocean thermal energy and geothermal energy.	6
IV	Biodiversity and Conservation: Levels of biological diversity: genetic, species and ecosystem diversity; Biogeography zones of India; Biodiversity patterns biodiversity hot spots. mega-biodiversity nation; Endangered and endemic species of India. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: <i>In situ</i> and <i>Ex situ</i> conservation of biodiversity. Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.	6
V	Environmental Pollution & Conservation: Environmental pollution: types, causes, effects and controls; Air, water, soil, chemical and noise pollution Waste to wealth - Energy from waste, value added products from waste, fly ash utilization and disposal of garbage, solid waste management in urban and rural areas, Swachh Bharat Abhiyan, recent advances in solid waste management, modern techniques in rain water harvesting and utilization.	6

Text books:

1. Asthana DK and Meera A, Environmental studies, 2nd Edition, Chand and Company Pvt Ltd, New Delhi, India, 2012.
2. Arumugam N and Kumaresan V, Environmental studies, 4th Edition, Saras Publication, Nagercoil, Tamil Nadu, India, 2014.

Activity – I:

1. Assignments – Titles on Environmental awareness to be identified by teachers from the following (scripts not less than 20 pages)
2. Elocution – (Speech on “Environment beauty is the fundamental duty” of citizen of the country for 3 to 5 minutes)
3. Environment issues – TV, Newspaper, Radio and Medias messages – Discussion \propto Case Studies/Field Visit/Highlighting Day today environmental issues seen or heard
4. Debating/Report Submission – Regarding environment issues in the study period Activity II
5. Environmental awareness through charts, displays, models and video documentation.

Celebrating Nationally Important Environmental DaysNational Science Day – 28th FebruaryWorld wild life Day – 3rd MarchInternational forest Day – 21st MarchWorld Water Day – 22nd MarchWorld Meteorological Day – 23rd MarchWorld Health Day – 7th AprilWorld Heritage Day – 18th AprilEarth / Planet Day – 22nd AprilPlants Day – 26th MayEnvironment Day – 5th June Activity III Discipline specific activities**EVALUATION COMPONENT:**

Component I: (25 Marks) Document (or) Poster presentation or Elocution

Component II: (25 Marks) Album making (or) case study on a topic (or) field visit

Component III: (25 Marks) Essay writing (or) Assignment submission

Component IV: (25 Marks) Quiz (or) multiple choice question test

Course Outcomes**Course Outcomes:** Upon successful completion of this course, the student will be able to:

CO No.	CO Statement	Cognitive Level (K-level)
CO1	To understand the multi-disciplinary nature of environmental studies and its importance	K1
CO2	To obtain knowledge on different types of ecosystem	K2
CO3	To acquire knowledge on Renewable and non-renewable resources, energy conservation	K3
CO4	To understand biodiversity conservation	K4
CO5	To analysis impact of pollution and conversion waste to products	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	02	02	02	02	02	03	03	03	03	03	2.5
CO2	02	03	03	02	03	03	03	03	03	03	2.8
CO3	02	03	03	03	03	03	03	03	03	03	2.9
CO4	02	02	03	03	03	03	03	03	03	03	2.8
CO5	02	03	03	03	03	03	03	02	03	03	2.8
Mean Overall Score											2.7
Correlation											High

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

Course Coordinator: Dr. B. Balaguru

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	Introduction to Financial Economics Financial Economics: Definition - Concepts – Growth - Financial Markets: Structure and Functions. Functions and Role of SEBI. * Problems in Indian Financial Market *						12
II	Primary Market 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	Secondary Market Stock Exchanges - Functions - Listing of Securities – Dealers in Stock Exchange – NSE, BSE, CSDL and MCX. *Exchange Traded Funds*						12
IV	Derivatives Market Derivatives: Meaning – Types – functions - Instruments – Participants – Advantages and Disadvantages. Difference Between commodity and financial derivatives – Evolution of commodity Exchanges – *Global derivatives exchanges*.						12
V	Equity And Commodity Transaction Procedures 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	Current Trends *(For CIA only) – 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

Text Book(s):
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.
Reference Book(s):
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.
Web Resource(s):
1.www.yourarticlelibrary.com 2.www.economicdiscussion.com 3. Commodity Market Module – National Stock Exchange Ltd.

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 Meaning and concepts of financial Economics.	K1, K2
CO2	Classify securities market and instruments.	K3
CO3	Use the securities market functioning procedure.	K3
CO4	Appraise the functions of institutions operating in the securities market.	K4
CO5	Calculate returns from secondary market transactions.	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
≥ 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
Course Title		Economic Systems					

SYLLABUS

Unit	Contents	Hours
I	Introduction 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	Capitalist Mode of Production Rise of Capitalism - Laissez faire capitalism: Meaning, Features, merits, demerits of Laissez faire capitalism - Regulated capitalism – *capitalism and technological progress*	12
III	Socialist Mode of Production 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	Mixed Economy and Convergence Thesis 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	Indian Thinking on Economic System 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	Current Trends *(For CIA only) – Contemporary developments related to the economic systems during the semester concerned.	

..... self-study

Text Book(s):
1. S.S.M. Desai and Mrs. Nirmal D. Bhalerao, Himalaya Publishing House, 2012
Reference Book(s):
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
Web Resource(s):
1. https://open.lib.umn.edu/sociology/chapter/13-2-types-of-economic-systems/

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

SYLLABUS		
Unit	Contents	Hours
I	Basics of Accounting 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*	12
II	Conceptual Framework Accounting Concepts – Accounting Conventions – Accounting Standards – International Financial Reporting Standards - Basic Accounting Terminologies – Meaning of Book Keeping – *Book Keeping VS Accounting*	12
III	Accounting System 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*	12
IV	Accounting Process - I 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	12
V	Accounting Process - II Trial Balance – Meaning – Format of Trial Balance - Preparation of Trial Balance – Final Accounts: Meaning – Format of its Components – Preparation of Final Accounts without Adjustments	12
VI	Current Trends * (For CIA only) – Contemporary developments in International and Indian Accounting Standards.	

..... Self Study

Text Book(s):
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
Reference Book(s):
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
Web Resource(s):
1. NPTEL Course: Financial Accounting, IIT Bombay, Dr. Varadraj Bapat, https://nptel.ac.in/courses/110101131 2. Study Material Prepared by ICWA for Junior Accounts Officer(Civil) Examination Conducted by Controller General of Accounts, https://cga.nic.in/writereaddata/financial_accounting.pdf 3. IFRS e-Learning Module by Deloitte, https://www.deloitteifrslearning.com/

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
Course Title		Econometrics					

SYLLABUS		
Unit	Contents	Hours
I	Introduction 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	Two Variable Model Estimation 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	Assumption Violations (Basic ideas only) Multi-collinearity: Nature, Consequences, detection and Remedial Measures- Heteroscedasticity: Nature-Consequences Detection and Remedial Measures- Autocorrelation: Nature, Consequences, Detection and Remedial Measures	12
IV	Three Variable Model Estimation (Estimation using intermediate values) 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	Functional Forms and Dummy Variables 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	Current Trends * (For CIA only) – Contemporary developments related to econometrics during the semester concerned.	

..... Self Study

Text Book(s):
1 Gujarathi, D. M. Gujarati: Basic Econometrics. McGraw-hill, 2022
2. K.Dhanasekaran, Econometrics, Vrinda Publications, 2012
3. MaddallaG.S. Introduction to Econometrics, Third Edition ,Wiley India, 2001
Reference Book(s):
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 nd Edition, 2011
Web Resource(s):
1. https://nptel.ac.in/courses/111104072
2. https://www.economtericssociety.org

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
Course Title		Economics for Competitive Examinations					

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

..... Self Study

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

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