



Government College Rajahmundry

An Autonomous Institution since 2000
Affiliated to Adikavi Nannaya University

NAAC
3.38/4.00
(RAF-2017)



DEPARTMENT OF ECONOMICS

B.A /B.Sc ECONOMICS

B.Sc ECONOMETRICS

B.A. RURAL DEVELOPMENT

B.A ECONOMICS HONOURS

BOARD OF STUDIES - I,II,III,IV,V,VI SEMESTERS

2021-2022



DEPARTMENT OF ECONOMICS

2021-2022

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

DEPARTMENT OF ECONOMICS

Government college (A), Rajamahendravaram is a prestigious college in Andhra Pradesh. It was started as Zilah School in 1853 it acquired the status of a secondary Grade college. In 1891 the college affiliated to the Madras University.

- Introduction in B.A course with Economics, History and Politics was commenced in 1930, after obtaining affiliation to Andhra University in 1926.
- Introduction of B.A (Economics, Statistics & Commerce) in 1976-77
- Introduction of B.A (Economics, Statistics & Computers) in 2007-2008
- Introduction of B.Sc. (Economics, Statistics & mathematics) in 2008-2009.
- Introduction of B.A. (Economics, History & Special Telugu)) in 2015-2016
- Introduction of B.Sc. (Econometrics, Statistics & mathematics) in 2017-2018.
- Introduction of B.A. (Public Admn., Sociology & Rural development) in 2018-2019.
- Introduction of B.A – HETTM (History, Economics& Tourism and Travel Management) in 2018-2019.
- Introduction of M.A (Economics) in 2019-2020.
- Introduction of B.A (Honours) in 2020-2021

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM

DEPARTMENT OF ECONOMICS

Consolidated Report of Board of Studies for the year 2021- 2022(I,II,III,IV,V&VI Semesters)

The Board of Studies of Department of *Economics* was convened on 18-09-2021 through Google Meet under the chairmanship of *Sri Dr.D.V.Nageswara Rao* Lecturer in charge of Department of Economics and the following members were present.

S.No	Name	Designation	Signature
1	Sri. Dr. D.V.Nageswara Rao	Chairman	
2	Dr..K.V.V.A.P.T.Surya Rao, Principal (Rtd.) DNR College (A), Bhimavaram	Subject Expert	
3	Sri D.V.K.S. Lakshmi, Lecturer in Economics SKR(W) College, Rajahmundry	Subject Expert	
4	Dr. P. Lakshminarayana, Dept. of Economics, UCAC,ANUR	University Nominee	
5	Sri B. Satyanarayana, Chief Manager, State Bank of India, Rajahmundry	Expert form Industry	
6	Sri M Venkatesera Rao	Member	
7	Sri Ch Sanjeev Kumar	Member	
8	Dr. K Prabhakar Rao (Contract Faculty)	Member	
9	Dr.A,Prasadu (Guest Faculty)	Member	
10	Smt.Ch.Gandhi Mani (Guest Faculty)	Member	
11	K.V.Ganesh Kumar (Guest Faculty)	Member	
12	Amudala Keerthi (Guest Faculty)	Member	
13	D.D.S lakshmi (Guest Faculty)	Member	
14	V.Navya Sri	Student Member	

The following documents are submitted to the Academic coordinator and Controller of Examinations:

1. Resolutions of Board of Studies Meeting.
2. Syllabi of I,II,III,IV,V&VI Semesters under CBCS pattern for B.A& B.Sc (Economics), B.Sc. (Econometrics)-I,II,III,IV, V and VI semesters
3. Syllabi of I,II,III,IV,V,VI Semester under CBCS pattern for B.A Rural development (Public Admn., Sociology & Rural development)
4. Syllabi of I,II,III & IV semesters CBCS pattern for B.A (Economics) Honours
5. Model Question Papers for I,II, III,IV,V& VI Semesters under CBCS pattern.
6. Syllabus and Model question paper for Certificate Course
7. List of Revised Examiners

Date: 18-09-2021

Chairman

Board of Studies
Department of Economics

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
DEPARTMENT OF ECONOMICS
Board of Studies Meeting 2021- 2022 (I,II,III,IV,V&VI Semesters)
Held on 18-09-2021

RESOLUTIONS:

1. Resolved to adopt certain changes in syllabi approved by ANUR as per APSCHE in UGC Model curriculum under CBCS pattern and question papers for the benefit of the students in quality enhancement in academics.
2. Resolved to adopt the Syllabi for the I,II, III&IV semesters as per APSCHE under CBCS pattern for the academic year 2021-22
3. Resolved to adopt certain changes in syllabi and question papers for the benefit of the students in quality enhancement in academics.
4. Resolved to adopt the syllabi and pattern of the question papers for III B.A/ B.Sc. Economics and Econometrics as per the ANUR syllabus under CBCS pattern for 2021 - 2022.
5. Resolved to approve model question papers for I,II,III,IV,V&VI B.A/B.Sc. Economics and Econometrics for I,II, III, IV, V and VI Semesters.
6. Resolved to continue a Certificate Course in “*Office Management*” for the 1st year students
7. Resolved and approved the list of paper setters and examiners for Academic year 2021 – 2022.
8. Resolved to dispense the existing Telugu medium courses I.e., B.A EHP ESC, HET& HETTM to English medium from the academic year 2021-22

University Nominee

Local Nominee

Chairman of Board of Studies

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
DEPARTMENT OF ECONOMICS
Board of Studies Meeting 2021- 2022
(Through Google Meet)

Room NO: 16
Department of Economics

Date:18 -09-2021
Time:3.00 PM

AGENDA:

1. To consider and adopt to make certain changes in syllabi and Question Papers under CBCS pattern for the benefit of the student in Academic improvement.
2. To consider and approve Model Question Papers for I,II,III,IV, V and VI B.A/B.Sc. Economics and Econometrics for I, III,IV, and VI Semesters.
3. To consider and approve Syllabi and model question papers for the Certificate Course in *Office Management*
4. To consider and approve syllabi and model question paper for the I,II,III,IV and VI Rural Development course.
5. To consider and approve the list of paper setters and examiners for Academic year 2021-2022.
6. To consider and approve different pedagogy in teaching and learning prescribed by CCE, AP.
7. To consider and approve external assessment and internal assessment as 50:50 for, I,II,III, IV V&VI semesters.
8. To consider and approve minimum marks in internal assessment as 40% i.e. 20 marks for I,II III, IV V&VI, semesters
9. To dispense the existing Telugu medium courses I.e., B.A EHP ESC, HET& HETTM to English medium from the academic year 2021-22

Date: 18-09-2021

Chairman
Board of Studies
Department of Economics

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM

DEPARTMENT OF ECONOMICS

LIST OF EXAMINERS 2021-2022

S.No	Name Of The Lecturer	Designation	College
1	Dr.K.YAMUNA	Lecturer In Economics	ASD (W) Kakinada
2	M.BALA RAJU	Lecturer In Economics	GDC, Jaggampeta
3	MALLIKARJUN NAYAK	Lecturer In Economics	PR College, Kakinada
4	Dr.P. JAYANANDH KUMAR	Lecturer In Economics	GDC Kovvur
5	BALA NARASIMHULU	Lecturer In Economics	GDC Ramachandrapuram
6	K. CHINNA BABU	Lecturer In Economics	GDC, Ravulupalem
7	K. RAMADEVI	Lecturer In Economics	GDC Kothapeta
8	M.VENKATESWARA RAO	Lecturer In Economics	PR College, Kakinada

GOVERNMENT COLLEGE (A), RAJAMAHENDRAVARAM

**DEPARTMENT OF ECONOMICS
COURSE OBJECTIVES**

- To understand Economics is about the allocation of scarce resources, that scarcity fore's choice, trade off exist and that every choice has an opportunity cost. Demonstrate their concepts using a production possibility frontier diagram.
- To understanding how comparative advantage provides the basis for gains through rate.
- To list the determinants of the demand and supply for a good in a competitive market and explain how that demand and supply together determine equilibrium price.
- To understand the role of price in allocating scarce resources in market Economics and explain the consequence of price controls
- To define an externality and a public good and why explain the presence of externalities and public goods make markets inefficient. Analyse various government policies aimed at solving these inefficiencies.
- To understand the costs of production and how profit maximizing firms determine how much to produce be also to distinguish between long run decisions and short run decisions.
- To distinguish between perfect competition and imperfect competition and be able to explain the welfare lose in non-competitive markets.
- To understand the causes and effects of inflation and unemployment
- To describe the macro economy using aggregates demand and aggregate supply
- To using employment and national income statistics students will be able to describe and analyse economy in quantitative items.
- To students will be able to describe the contemporary banking and monetary system, and analyse the role of money, credit, and Federal Reserve monetary policy.
- To outline the rate of comparative advantage in exchange. Describe the role of international trade and finance in domestic Economic activity.
- To students will be able to utilize a simple contemporary economic model such as the aggregate supply aggregate demand model and describe the inter relationship among price, income and interest rates as they affect consumption, saving and investment.
- To analyse fiscal and monetary policy decisions to counter business cycle swings by using macro-Economic models.

GOVERNMENT COLLEGE (A), RAJAMAHENDRAVARAM


DEPARTMENT OF ECONOMICS LEARNING OUTCOMES

- Understand Economics is about the allocation of scarce resources, that scarcity forces choice, trade off exist and that every choice has an opportunity cost. Demonstrate their concepts using a production possibility frontier diagram.
- Understanding how comparative advantage provides the basis for gains through trade.
- List the determinants of the demand and supply for a good in a competitive market and explain how that demand and supply together determine equilibrium price.
- understand the role of price in allocating scarce resources in market Economics and explain the consequence of price controls
- Define an externality and a public good and why explain the presence of externalities and public goods make markets inefficient. Analyse various government policies aimed at solving these inefficiencies.
- Understand the costs of production and how profit maximizing firms determine how much to produce be also to distinguish between long run decisions and short run decisions.
- Distinguish between perfect competition and imperfect competition and be able to explain the welfare loss in non-competitive markets.
- understand the causes and effects of inflation and unemployment
- describe the macro economy using aggregate demand and aggregate supply
- Using employment and national income statistics students will be able to describe and analyse economy in quantitative terms.
- Students will be able to describe the contemporary banking and monetary system, and analyse the role of money, credit, and Federal Reserve monetary policy.
- Outline the role of comparative advantage in exchange. Describe the role of international trade and finance in domestic Economic activity.
- Students will be able to utilize a simple contemporary economic model such as the aggregate supply aggregate demand model and describe the inter relationship among price, income and interest rates as they affect consumption, saving and investment.
- Analyse fiscal and monetary policy decisions to counter business cycle swings by using macro-Economic models.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM.
B.A/ B.Sc PROGRAMME – COURSE STRUCTURE IN ECONOMICS UNDER CBCS
2021-2022

Sl. No	Paper	Name of Paper	Sem	Hours/Week	Credits	Marks		Total
						Mid Sem	Sem End	
I & II YEAR BA/B.Sc SYLLABUS								
1	I	Micro Economic Analysis (ECO135)	I	6	4	50	50	100
2	II	Macro Economic Analysis (ECO136)	II	6	4	50	50	100
3	III	Development Economics (ECO137)	III	6	4	50	50	100
4	IV	Economic Development in India and Andhra Pradesh (ECO138)	IV	6	4	50	50	100
5	V	Statistical Methods for Economics (ECO139)	IV	6	4	50	50	100
III YEAR BA/B.Sc SYLLABUS								
1	V	Economic Development and Indian Economy (ECO123)	V	5	4	50	50	100
2	VI	Indian and Andhra Pradesh Economy (ECO124)	V	5	4	50	50	100
3	VII(A)	Agricultural Economics (ECO 113)	VI	5	4	50	50	100
4	VII(B)	Rural Economics and Social Change (ECO117)	VI	5	4	50	50	100
5	VII(C)	Financial Market and Institutions (ECO132)	VI	5	4	50	50	100
Cluster Electives – (A) Agribusiness								
6	VIII (A)	Agribusiness and Environment in Andhra Pradesh (ECO114)	VI	5	4	50	50	100
7	IX(A)	Agricultural Output Marketing (ECO 115)	VI	5	4	50	50	100
8	X(A)	Project Work	VI	100				
Cluster Electives – (B) Rural Economy								
9	VIII (B)	Rural Economy (ECO118)	VI	5	4	50	50	100
10	IX(B)	Rural Industrialisation (ECO119)	VI	5	4	50	50	100
11	X(B)	Rural Marketing (Project Work) (ECO120)	VI	100				
Cluster Electives – (C) Finance Market								
12	VIII (C)	Stock Market Operations (ECO133)	VI	5	4	50	50	100

13	IX(C)	Securities Market (ECO 134)	VI	5	4	50	50	100
14	X(C)	Project Work	VI	100				
B.A RURAL DEVELOPMENT								
1	I	Rural Economics – I (RD101)	I	5	4	50	50	100
2	II	Rural Economics – II (RD102)	II	5	4	50	50	100
3	III	Agriculture and Rural Labour (RD103)	III	5	4	50	50	100
4	IV	Rural Industrialization (RD104)	IV	5	4	50	50	100
5	V	Regional Economics (RD105)	V	5	4	50	50	100
6	VI	Rural Finance and Service (RD106)	V	5	4	50	50	100
7	VII	Basics of Andhra Pradesh Economy (RD107)	VI	5	4	50	50	100
8	VIII	Rural Infrastructure and Development (RD108)	VI	5	4	50	50	100
9	IX	Development and Environment Economics (RD 109)	VI	5	4	50	50	100
10	X	Project Work (RD 110)	VI	100				
CERTIFICATE COURSE								
1	I	CERTIFICATE COURSE IN OFFICE MANAGEMENT		Total 60hrs	4	50 T	50 P	100

	Government College (Autonomous) Rajahmundry	Program & Semester I BA/B.Sc. (I Sem)			
Course Code ECO 135	TITLE OF THE COURSE MICRO ECONOMIC ANALYSIS				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		5	1	-	4

Course Objectives:

1. To understand Economics is about the allocation of scarce resources, that scarcity fore's choice, trade off exist and that every choice has an opportunity cost.
2. To understand the role of price in allocating scarce resources in market Economics and explain the consequence of price controls
3. Understand the costs of production and how profit maximizing firms determine how much to produce be also to distinguish between long run decisions and short run decisions.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	How households and firms interact in various market structures to determine price and quantity of a good produced.
CO2	Understand that economics is about the allocation of scarce resources, that scarcity forces of choice, trade off exist and that every choice as a opportunity cost
CO3	Producers equilibrium with the help of isoquants, expansion path and elasticity of substitutions
CO4	Different types of markets and their features
CO5	Demonstrate marginal productivity theory of distribution , theory of wages identify different types of rent and illustrate different theories of interest and profit.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Syllabus

UNIT –I : Economic Analysis and Methodology

Scarcity and Choice as fundamental problems of economics – Opportunity Cost - Production Possibilities Curve - Micro and Macro Analysis - Micro economic analysis – Scope and Importance -Principles of Microeconomics : Allocation of Resources - Optimization, Equilibrium and Marginal analysis -Rationality Principle the concept of Welfare.

UNIT -2: Theory of Consumption

Concept of Demand -Factors determining demand - Law of Demand - reasons and exceptions - Elasticity of Demand -Cardinal and Ordinal utility - Indifference Curve analysis : Properties of Indifference curves, Indifference Curve Map -Marginal Rate of Substitution - Budget Line - Changes -Consumer Equilibrium under Indifference Curve Analysis – Consumers’ Surplus and Indifference Curve Analysis.

UNIT -3: Theory of Production

Concept and Objectives of Firm - Production Function : Cobb- Douglas Production Function -Law of Variable Proportions -Laws of Returns to Scale - Economies of large scale - Concepts of Cost - Total, Average and Marginal Costs - Law of Supply - Concept of Revenue : Total, Average and Marginal Revenues - Relation between Average and Marginal Revenues and elasticity of Supply.

UNIT -4: Theory of Exchange

Concepts of Market: Criteria for Classification of Markets - Perfect Competition– Conditions, Price and Output determination; Monopoly: Conditions, Price and Output Determination - Price Discrimination; Monopolistic Competition - Assumptions - Price and output determination - Selling Costs; Oligopoly -Types- Kinky demand curve and Price rigidity.

UNIT - 5: Theory of Distribution

The concepts of Functional and Personal Distribution of Income - Marginal Productivity Theory of Distribution - Modern Theory of Distribution -Concept of Rent - Ricardian Theory of Rent – Marshall’s concepts of Economic Rent and Quasi Rent; Theories of Wage Determination: Subsistence Theory and Standard of Living Theory - Modern Theory of Wages; Classical Theory of Interest -Loanable Funds Theory of Interest -Liquidity Preference Theory of Interest; Theories of Profit: Risk and Uncertainty, Dynamic and Innovations Theories.

Text books:

1. Telugu Academy Publications on Microeconomics.
2. H. L. Ahuja, Advanced Economic Theory, S. Chand, 2004.
3. M. L. Seth, Microeconomics, Lakshmi Narayan Agarwal, 2006

Reference books:

1. A. Koutsoyiannis, Modern Microeconomics – Macmillan, London
2. A. W. Stonier and D.C. Hague, A Text book of Economic Theory - ELBS & Long man Group, London.
3. P.A Samuelson & W.D. Nordhaus - Macroeconomics, Tata McGraw Hill, 18/e, 2005

Web Links:

1. <https://ocw.mit.edu/courses/economics/14-01sc-principles-of-microeconomics-fall-2011>
2. https://onlinecourses.nptel.ac.in/noc20_hs01/preview

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	2	3	3	3			
CO2	3	3	3	2	2	3	2	3	3	2			
CO3	3	3	3	2	2	3	2	3	3	3			
CO4	3	3	3	2	3	3	3	3	3	3			
CO5	3	3	3	3	3	2	3	2	3	2			

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMAHENDRAVARAM
I-B.A/ B.Sc ECONOMICS (CBCS PATTERN (w.e.f 2020-2021))

Paper-I (Core Paper)

MICRO ECONOMIC ANALYSIS

FIRST SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

SECTION - A

Answer the following questions.

(3 X 10 = 30 M)

- 1) a) What is Micro and Macro Economics? Explain the scope and importance of
 . Micro Economic analysis
 (or)
 b) Explain the law of demand with its exceptions.
- 2) a) Explain the consumer equilibrium with the help of Indifference curve analysis.
 (or)
 b) Explain the law of variable proportions.
- 3) a) Explain the price determination under monopoly.
 (or)
 b) Explain the Marginal Productivity theory of distribution.

SECTION – B

Answer any Four of the following

(4 X 5 = 20 M)

- 4) Opportunity Cost
- 5) Production Possibility Curve
- 6) Cardinal and Ordinal utility
- 7) Cobb-Douglas Production function
- 8) Elasticity of supply
- 9) Classification of markets
- 10) Kinked demand
- 11) Economic rent and Quasi rent


GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMAHENDRAVARAM
I – B.A/ B.Sc – ECONOMICS (CBCS PATTERN)
Paper-I (Core Paper)
MICRO ECONOMIC ANALYSIS
FIRST SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50 M

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	2	3
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	1	2
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester I B.A/B.Sc. (II Sem)			
Course Code ECO136	TITLE OF THE COURSE MACRO ECONOMIC ANALYSIS				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		5	1	-	4

Course Objectives:

- To understand the causes and effects of inflation and unemployment
- B describe the macro economy using aggregates demand and aggregate supply
- Using employment and national income statistics students will be able to describe and analyse economy in quantitative items.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Difference between Micro and Macro Economics, importance of macro Economics and Macro Economic variables Define and explain the process of calculating national income, identify its components, demonstrate circular flow of income, analyse the various identities with government and international trade
CO2	Demonstrate the meaning and functions of money, illustrate various versions of quantity theory of money Explain the meaning of consumption function, relationship between APC and MPC, consumption and income, concept of multiplier and accelerator, MEC and rate of interest
CO3	Illustrate the meaning of inflation, identify different kinds of inflation, causes and effects of inflation on different sectors of the economy, describe different measures to control it.
CO4	Analyse different phases of trade cycles, demonstrate various phases of trade cycles, understand the impact of cyclical fluctuations on the growth of business, and lay policies to control trade cycles.
CO5	Identify types of banks, explain the meaning and functions of commercial banks, illustrate how bank create credit, and suggest the instruments to control it

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Syllabus:

UNIT - 1: National Income

Macroeconomics - Definition, Scope and Importance - Difference between Micro economic and Macro economic Analyses – Circular Flow of Income -National Income: Definitions, Concepts, Measurement of National Income - Difficulties - Importance - Concept of Green Accounting.

UNIT -2: Theory of Employment

Classical Theory of Employment - Say's Law of Markets - Criticism -Keynesian Theory of Employment - Consumption Function - Keynes' Psychological Law of Consumption - Average and Marginal Propensity to Consume - Factors determining Consumption Function –Brief Review of Relative, Life Cycle and Permanent Income Hypotheses - Investment Function: Marginal Efficiency of Capital -Multiplier and Accelerator - Keynesian Theory of Employment - Applicability to Developing countries.

UNIT – 3: Money and Banking

Definitions of Money - Concepts of Money, Liquidity and Finance - Money Illusion - Gresham's Law - RBI classification of Money - Theories of Money: Fisher and Cambridge (Marshall, Pigou, Robertson and Keynes equations) - Banking - Definition and types of Banking - Commercial Banks - Functions -Recent Trends in Banking - Mergers and Acquisitions - Central Bank - Functions - Control of Credit by Central Bank – NBFCs Factors contributing to their Growth and their Role.

UNIT – 4: Inflation and Trade Cycles I

Inflation: Concepts of Inflation, deflation, reflation and stagflation - Phillip's Curve - Measurement of Inflation - CPI and WPI -Types of Inflation - Causes and Consequences of Inflation -Measures to Control Inflation. Trade Cycles: Phases of a Trade Cycle -Causes and Measures to control Trade Cycles.

UNIT -5: Finance and Insurance

Financial Assets and Financial Instruments - Financial Markets - Functions of Money Market - Functions of Capital Market - Stock Market - Exchanges – Indices: Sensex and Nifty - Concept of Insurance -Types and Importance of Insurance

Text books:

1. M.L.Seth, Macroeconomics, Lakshmi Narayan Agarwal, 2006.
2. Telugu Academy, Publications
3. Macroeconomics, Spectrum Publishing House, Hyderabad, 2016

Reference books:

1. Dillard. D., The Economics of John Maynard Keynes, Cross by Lockwood and sons, London.
2. M. C. Vaish - Macroeconomic Theory, Vikas Publishing House, New Delhi.
3. S. B Guptha - Monetary Economics, S. Chand & Co, Delhi.

Web Links:

1. <http://www2.harpercollege.edu/mhealy/eco212i/macroweb.htm>
2. <https://nptel.ac.in/courses/109/104/109104073/>

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	2	2	3	3	3			
CO2	3	3	3	2	2	2	1	3	3	2			
CO3	3	3	3	1	1	2	2	3	3	3			
CO4	3	3	3	2	2	2	2	3	3	2			
CO5	3	3	3	3	3	3	3	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMAHENDRAVARAM
I– B.A/ B.Sc ECONOMICS (CBCS PATTERN)
Paper-II (Core Paper)
MACRO ECONOMIC ANALYSIS
SECOND SEMESTER END EXAMINATIONS

Time: 2 1/2 Hrs

Max. Marks: 50

Model Question Paper – 2021-2022

SECTION - A

Answer the following questions.

(3x10= 30)

1. a) Explain the concepts of National Income.

(or)

b) Critically examine the Keynes theory of employment

2. a) What is Multiplier? How far is it applicable to developing countries like India?

(or)

b) Describe the main functions of Reserve Bank of India (RBI)

3 a) Define Trade cycles and explain different phases to trade cycles.

(or)

b) Explain the meaning and functions of Money market?

SECTION-B

Answer any FOUR of the following

(4x5=20)

4) Difference between micro and macro economics

5) J.B. Say's law of market.

6) Consumption function.

7) Gresham's law

8) Functions of Commercial Banks.

9) Philips curve.

10) Causes of inflation.

11) Capital market and Stock market.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMAHENDRAVARAM

I– B.A/ B.Sc ECONOMICS (CBCS PATTERN)

MACRO ECONOMIC ANALYSIS


SECOND SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	3
Module-II	2	2	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	1	2
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester II B.A B.Sc. (III Sem)			
Course Code ECO137	TITLE OF THE COURSE DEVELOPMEN ECONOMICS				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. Distinction between growth and development with examples
- B. Various concepts and definitions and indicators relating to economic growth and Development including recent developments
- C. The theoretical aspects of a few models and strategies of economic growth.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Distinction between growth and development with examples, COVID – 19 Impact on Indian economy and sustainable development.
CO2	Factors contributing to development, Choice of Techniques and a few important models and strategies of growth
CO3	The theoretical aspects of a few models and strategies of economic growth
CO4	To know Strategies of Economic Development
CO5	Role and importance of various financial and other institutions in the context of India's economic development

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Syllabus:

Module - 1: Economic Growth and Development

Economic Development as a Branch of Study of Economics – Scope and Importance - Distinction between Economic Growth and Economic Development -Measures of Economic Development and their limitations - Relevance of Herd (Group) Immunity in the context of COVID 19- three core values of economic development : Sustainability, Self-esteem and Freedom – Economy and Environment : Concepts of sustainable development and inclusive growth

Module -2: Modern Economic Growth

Characteristics of Underdeveloped Countries - World Bank and IMF Classification of countries - Modern economic growth – Kuznets' Six Characteristics -Obstacles to economic development - Vicious Circle of Poverty and cumulative causation -Factors of economic growth: Economic and Non-economic - Capital Formation – Foreign and Domestic capital, Debt and Disinvestment.

Module-3: Theories of Development and Underdevelopment

Classical Theory: Adam Smith, Ricardo and Malthus -Marxian Theory - Schumpeter Theory - Rostow's Stages of Economic Growth -Harrod-Domar two sector model -Solow's Model and Robinson's Golden Age

Module – 4: Strategies of Economic Development

Strategies of Economic Development – Big Push -Balanced Growth -Unbalanced Growth - Mahalanobis Model - Agriculture vs Industry -Capital Intensive Technology vs Labour Intensive Technology -Role of Infrastructure in Economic Development

Module - 5: Institutions and Economic Development

Role of State in Economic Development -Role of Markets - Market Failure and Regulation by State -Public sector vs Private sector -Economic Planning – concept, objectives and types -NITIAYog - Economic Federalism -Financial Institutions and Economic Development -Role of International Institutions-IDBI, ADB, IMF -Foreign Trade - FIIs and FDI

Text books:

1. Economic development and growth, Spectrum Publishing House, Hyderabad, 2016
2. M . P. Todaro and Stephen C. Smith, *Economic Development*, 10/e, Indian Edition
Published by Dorling Kindersley India Pvt. Ltd. 2012.
3. Telugu Academy publication.

Reference books:

1. R.S.Rao, V.Hanumantha Rao &N.Venu Gopal (Ed.), *Fifty Years of Andhra Pradesh (1956-2006)*, Centre for Documentation, Research and Communications, Hyderabad,2007.
2. G. Omkarnath, *Economics - A Primer for India* - Orient Blackswan, 2012.
3. G. M. Meier, *Leading Issues in Economic Development*, Oxford University Press, New York,

Web Links:

1. <https://ocw.mit.edu/courses/economics/14-772-development-economics-macroeconomics-spring-2013/lecture-videos-and-slides/>
2. <https://nptel.ac.in/courses/110/103/110103093/>

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	1	3	1	1	3	3	2			
CO2	3	3	3	2	2	1	1	3	3	3			
CO3	3	3	3	1	3	1	1	3	3	3			
CO4	3	3	3	2	2	1	1	3	3	2			
CO5	2	1	3	2	1	2	3	2	3	3			

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMAHENDRAVARAM
II- B.A/B.Sc ECONOMICS (CBCS PATTERN)
Paper-III (Core Paper)
DEVELOPMENT ECONOMICS
THIRD SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

Model Question Paper 2021-2022

SECTION - A

Answer the following questions

(3 X 10 = 30)

ఈ క్రింది అన్ని ప్రశ్నలకు సమాధానములు వ్రాయుము

1 (a) Explain the scope and importance of Economic Development.

ఆర్థికాభివృద్ధి పరిధి మరియు దాని ప్రాధాన్యతను వివరింపుము.

(or)

(b) Explain the Economical situation in India during COVID – 19.

కోవిడ్ -19 కాలంలో భారతదేశ ఆర్థిక పరిస్థితులను గూర్చి వివరింపుము.

2 (a). Explain the Characteristics of underdeveloped countries.

అభివృద్ధి చెందుతున్న ఆర్థికవ్యవస్థల లక్షణాలను వివరింపుము.

(or)

(b) Explain the Harrod and Domar models of Growth.

హర్రడ్ - డోమర్ వృద్ధి సిద్ధాంతాలను వివరింపుము.

3 (a) Explain the Role of Infrastructure in Economic Development.

ఆర్థికాభివృద్ధిలో అవస్థాపన సౌకర్యాలు పాత్రను వివరింపుము.

(or)

(b) Explain the Role of International Institutions of IDBI and IMF in Economic Development.

ఆర్థికాభివృద్ధిలో IMF మరియు IDBI ల పాత్రను వివరింపుము.

SECTION – B

Answer any four of the following

(4 X5 = 20)

ఈ క్రింది వాటిలో నాలుగింటికి సమాధానములివ్వండి

4. Distinction between Economic Growth and Economic Development

ఆర్థికవృద్ధి - ఆర్థికాభివృద్ధి మధ్య వ్యత్యాసాలు

5. Sustainable development

నిరంతర అభివృద్ధి

6. Vicious circles of poverty

పేదరిక విషవలయాలు

7. Rostow's stages of Economic Growth

రోస్టో వృద్ధి దశలు

8. Unbalanced growth

అసంతులిత వృద్ధి సిద్ధాంతం

9. Capital intensive method

మూలధన సాంద్రత పద్ధతి

10. NITI Aayog

నీతి ఆయోగ్

11. Public sector and Private sector

ప్రభుత్వ రంగం - ప్రైవేట్ రంగం

**GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
II – B.A/ B.Sc ECONOMICS (CBCS PATTERN)**

Paper-III (Core Paper)

DEVELOPMENT ECONOMICS


THIRD SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester II B.A/ B.Sc. (IV Sem)			
Course Code ECO138	TITLE OF THE COURSE ECONOMIC DEVELOPMENT- INDIA AND ANDHRA PRADESH				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		3	1	-	3

Course Objectives:

- A. leading issues of Indian economic development with reference to potential for growth, obstacles and policy responses
- B. Available Resources, demographic issues, general problems of poverty and unemployment and relevant policies.
- C. Indian Tax system, recent changes, issues of public expenditure and public debt, recent finance commissions and devolution of funds

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Objectives, outlays and achievements of economic plans and growth strategies
CO2	Available Resources, demographic issues, general problems of poverty and unemployment and relevant policies
CO3	Leading issues of current importance relating to India and AP economy, major policies and programmes Covid- 19 and its impact on Indian economy
CO4	Indian Tax system, recent changes, issues of public expenditure and public debt, recent finance commissions and devolution of funds
CO5	Major issues of economic development of Andhra Pradesh after bifurcation and Central assistance

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Syllabus:

UNIT- 1 Basic Features

Basic characteristics of Indian Economy as a developing economy – Economic development since independence - Objectives and achievements of planning – Planning Commission/NITIAYog and their approaches to economic development - India's Rank in Global Human Development Index .

UNIT- 2 National Income and Demography

Trends in National income - Demographic trends - Poverty and Inequalities – Occupational Structure and Unemployment - Various Schemes of employment generation and eradication of poverty – Issues in Rural Development and Urban Development –Intra-state and Inter-state Labour Migration and unorganized sector Problems of Migrant Labour

UNIT – 3 Agricultural and Industrial Developments

Indian Agriculture – Agricultural Strategy and Agricultural Policy – Agrarian Crisis and land reforms – Agricultural credit – Minimum Support Prices -Malnutrition and Food Security - Indian Industry - Recent Industrial Policy – Make-in India – Start-up and Stand-up programmes – SEZs and Industrial Corridors - Economic Reforms and their impact - Economic initiatives by government of India during COVID - Atmanirbhar Bharat package.

UNIT –4 Indian Public Finance

Indian Tax System and Recent changes – GST and its impact on Commerce and Industry – Centre, States financial relations- Recommendations of Recent Finance Commission – Public Expenditure and Public Debt - Fiscal Policy and Budgetary Trends

UNIT - 5 Andhra Pradesh Economy

The basic characteristics of Andhra Pradesh economy after bifurcation in 2014 – Impact of bifurcation on the endowment of natural resources and state revenue – new challenges to industry and commerce - the new initiatives to develop infrastructure – Power and Transport - Information Technology and e-governance – Urbanization and smart cities – Skill development and employment –Social welfare programmes.

Text books:

1. A.P Economy- Telugu Academy, 2018
2. M. P. Todaro and Stephen C. Smith, *Economic Development*, 10/e, Indian Edition Published by Dorling Kindersley India Pvt. Ltd. 2012.
3. S.K.Misra&V,K,Puri, *Indian Economy*, Himalaya Publishing House, 2015.

Reference books:

1. Reserve Bank of India, *Handbook of Statistics on Indian Economy* (Latest).
2. R.S.Rao, V.Hanumantha Rao &N.Venu Gopal (Ed.), *Fifty Years of Andhra Pradesh (1956-2006)*, Centre for Documentation, Research and Communications, Hyderabad, 2007.
3. G. Omkarnath, *Economics - A Primer for India* - Orient Blackswan, 2012

Web Links:

1. https://www.jmi.ac.in/upload/menuupload/zhl_ebooks_economics.pdf
2. <https://fivebooks.com/category/economics/development-economics/>

CO-PO Mapping:

(1: Slight [Low];

2: Moderate[Medium];

3: Substantial[High],

'-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	2	3	2	3	3			
CO2	3	3	2	3	3	3	3	2	3	3			
CO3	3	3	3	3	3	1	3	1	3	2			
CO4	3	3	2	3	3	2	3	1	3	2			
CO5	3	3	3	2	1	3	2	3	2	1			

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMAHENDRAVARAM
II- B.A/B.Sc ECONOMICS (CBCS PATTERN)
Paper-IV (Core Paper)
ECONOMIC DEVELOPMENT- INDIA AND ANDHRA PRADESH
FOURTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

Model Question Paper 2021-2022

SECTION - A

Answer the following questions

(3 X 10 = 30)

ఈ క్రింది అన్ని ప్రశ్నలకు సమాధానములు వ్రాయుము

1 (a) Explain the Objective and achievements of Planning Commission.

ప్రణాళికా సంఘం లక్ష్యాలు మరియు విజయాలను వివరించండి

(or)

(b) Explain the causes for unemployment and remedial measures to reduce unemployment.

నిరుద్యోగితకు కారణాలను మరియు నివారణ చర్యలను వివరింపుము.

2 (a) Briefly explain the measures to reduce income inequalities in India.

ఆదాయ అసమానతలను తొలగించుటకు తీసుకోవలసిన చర్యలను క్లుప్తంగా వివరింపుము.

(or)

(b) Briefly Explain various land reforms in India.

భారతదేశంలోని వివిధ భూ సంస్కరణలను క్లుప్తంగా వివరించండి

3 (a) Explain the Centre and States financial relations.

కేంద్రం మరియు రాష్ట్రాల మధ్య ఆర్థిక సంబంధాలను వివరించండి.

(or)

(b) Explain the basic characteristics of Andhra Pradesh economy after bifurcation in 2014.

2014 లో విభజన తర్వాత ఆంధ్రప్రదేశ్ ఆర్థిక వ్యవస్థ యొక్క ప్రాథమిక లక్షణాలను వివరించండి.

SECTION – B

Answer any **four** of the following

(4 X5 = 20)

ఈ క్రింది వాటిలో నాలుగింటికి సమాధానములివ్వండి

4.Human Development Index

మానవ అభివృద్ధి సూచిక

5.NITI Aayog

నీతి ఆయోగ్

6.Occupational distribution in India

భారతదేశంలో వృత్తుల వారి విభజన

7.Special Economic Zones

ప్రత్యేక ఆర్థిక మండలాలు

8.Economic initiatives taken by Government of India during COVID – 19

కోవిడ్ -19 సమయంలో భారత ప్రభుత్వం తీసుకున్న ఆర్థిక కార్యక్రమాలు

9.GST

వస్తువులు మరియు సేవల పన్ను

10.Information Technology

సమాచార సాంకేతిక విజ్ఞానం

11.Social Welfare Programmes

సాంఘిక సంక్షేమ పథకాలు

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM

Paper-IV (Core Paper)


**ECONOMIC DEVELOPMENT- INDIA AND ANDHRA PRADESH
FORTH SEMESTER END EXAMINATIONS**

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	2	1	2
Module-II	1	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester II B.A/ B.Sc. (IV Sem)			
Course Code ECO138	TITLE OF THE COURSE STATISTICAL METHODS FOR ECONOMICS				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. The definitions, terms and their meaning relating to statistical methods
- B. To analysis Importance of statistics and its applications

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	The definitions, terms and their meaning relating to statistical methods
CO2	various formulae used to measure central tendency
CO3	To know the Histogram, Frequency Polygon and Frequency Curve Different types of Bar diagrams
CO4	Uses of Correlation and Regression analysis, time series and index numbers in economic analysis
CO5	different kinds of statistical problems using various principles and formulae relating to central tendency, correlation, regression, time series and indices to interpret data and suggest solutions to economic problems

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Syllabus:

UNIT – 1: Nature and Definition of Statistics

Introduction to Statistics – Definition, scope, importance and limitations of Statistics – Primary and Secondary data- Census and Sampling techniques and their merits and demerits

UNIT – 2: Diagrammatic Analysis

Collection of data - Schedule and questionnaire – Frequency distribution – Tabulation – diagram and graphic presentation of data – Histogram, Frequency Polygon, Cumulative Frequency Curves - Bar Diagrams and Pie Diagram

UNIT – 3: Measures of Central Tendency and Dispersion

Measures of Central Tendency and Dispersion - Types of averages- Arithmetic Mean, Geometric Mean, Harmonic Mean – Median – Mode – Dispersion - Range, Quartile Deviation, Mean Deviation, Standard Deviation- Coefficient of Variation.

UNIT – 4: Correlation and Regression

Correlation and Regression - Meaning, Definition and uses of Correlation- Types of Correlation- Karl Pearson's Correlation coefficient - Spearman's Rank Correlation- Regression Equations - utility of regression analysis – Demand forecasting.

UNIT – 5: Time Series and Index Numbers

Time Series and Index Numbers: Definition and components of Time Series – Measurement of Time Series – Moving Average and the Least Squares Method – Index Numbers - Concepts of Price and Quantity Relatives – Laspeyer's, Paasche's and Fisher's Ideal Index Numbers – Uses and Limitations of Index Numbers.

Text books:

1. S.P. Gupta, *Statistical Methods*, S. Chand & Co, 1985
2. S. C. Gupta, *Fundamentals of Statistics*, Himalaya Publishing House, Hyderabad.
3. Telugu Academy Book, Parimanathmakapaddathulu (For B.A.).

Reference books:

1. B. R. Bhat, T. Srivenkataramana and K.S. MadhavaRao (1996): *Statistics: A Beginner's Text*, Vol. I, New Age International (P) Ltd.
2. Goon A.M, Gupta M.K., Das Gupta B. (1991), *Fundamentals of Statistics*, Vol. I, World Press, Calcutta.
3. Digambar Patri and D. N. Patri, *Statistical Methods for Economics*, Kalyani Publishers, Ludhiana, 2017.

Web Links:

1. <https://ocw.mit.edu/courses/economics/14-30-introduction-to-statistical-method-in-economics-spring-2006/lecture-notes/>
2. https://ebooks.lpude.in/arts/ma_economics/year_2/DECO504_STATISTICAL_METHODS_IN_ECONOMICS_ENGLISH.pdf

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	2	1	2	1	2			
CO2	3	3	3	2	3	3	2	2	1	3			
CO3	3	3	2	2	3	3	1	1	2	3			
CO4	3	3	2	2	3	2	2	2	1	3			
CO5	3	3	2	3	3	2	3	1	3	2			

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMAHENDRAVARAM
II- B.A/B.Sc ECONOMICS (CBCS PATTERN)
Paper-V (Core Paper)
STATISTICAL METHODS FOR ECONOMICS

FOURTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

Model Question Paper 2021-2022

SECTION - A

Answer the following questions

(3 X 10 = 30)

1 (a) Explain the Scope and importance of Statistics

(or)

(b) The number of bed-sheets manufactured by a factory during five consecutive weeks is given below.

Week	First	Second	Third	Fourth	Fifth
Number of Bed-sheets	600	850	700	300	900

Draw the bar graph representing the above data.

2 (a) Find the Arithmetic Mean of the following distribution:

Class-Interval	15-25	25-35	35-45	45-55	55-65	65-75	75-85
Frequency	6	11	7	4	4	2	1

(or)

(b) Define Correlation and explain the type of Correlation

3 (a) Calculate the regression coefficient and obtain the lines of regression for the following data

X	1	2	3	4	5	6	7
Y	9	8	10	12	11	13	14

(or)

(b) Calculate price index number for 2020 by (a) Laspeyre's (b) Paasche's method

Commodity	2010		2020	
	Price	Quantity	Price	Quantity
A	5	60	15	70
B	4	20	8	35
C	3	15	6	20

SECTION – B

Answer any four of the following

(4 X5 = 20)

4. Primary data and Secondary data

5. Histogram

6. Find the Mode from the following data

15,19,22,16,19,17,22,24,27,22

7. Find out the Co-efficient of variation when its Standard Deviation is 8
mean is 24 .

8. Uses of Regression analysis

9. Find out the Spearman Rank Correlation from the following data

R ₁	1	2	3	4	5	6	7
R ₂	6	4	2	7	3	1	5

10. Components of Time series

11. Uses of Index Numbers

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
IV SEMESTER – ECONOMICS (CBCS PATTERN)

Paper-V (Core Paper)


STATISTICAL METHODS FOR ECONOMICS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	2	1	2
Module-II	1	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry				
Course Code ECO123	TITLE OF THE COURSE ECONOMIC DEVELOPMENT AND INDIAN ECONOMY	Program & Semester III B.A/ B.Sc. (V Sem)			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- To understand growth postulates in economic theory .
- To have a overview about the Indian economy and contemporary issues
- To examine the developmental process varies from Classical to Neo-liberals.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	To introduce students to the wide ranging policy issues and theories in development Economics
CO2	Understand the various aspects of Indian Economy
CO3	Develop a perspective on the different problems and approaches to Economic plans
CO4	Understand the role of the Indian Economy in the global context and how different factors have affected this process
CO5	Understand the New Economic Reforms in India

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Syllabus:

UNIT - 1

Concept of Economic Growth - Distinction between economic growth and development - Measurement of economic development - Theories of Economic Growth: Adam Smith, Rostow, Karl Marx and Harrod & Domar Models.

UNIT - 2

Sustainable development - Balanced and unbalanced growth-choice of techniques Labour intensive and capital intensive methods.

UNIT - 3

Basic features of the Indian Economy - Natural Resources - Important Demographic features- Concept of Population Dividend - Population Policy.

UNIT - 4

National Income in India - Trends and Composition-Poverty, inequalities and Unemployment - Measures taken by the Government. - MGNREGS

UNIT - 5

Economic reforms - liberalization, privatization and globalisation - concept of inclusive growth.

Text books:

1. Telugu Academy Publications.
2. Dr. Ch.S.G.K. Murthy, Indian Economy - Gitam University
3. S.K.Misra & V,K,Puri - "Indian Economy", Himalaya Publishing House, 2015.

Reference books:

1. Dhingra, I.C - "Indian Economy", Sultan Chand, 2014.
2. Ruddar Dutt and K.P.M. Sundaram - "Indian Economy", S.Chand & Co., 2015.
3. G.M.Meier -"Leading Issues in Economic Development", Oxford University Press, New York,.

Web Links:

1. <https://ncert.nic.in/textbook.php?keec1=0-10>
2. https://afeias.com/wp-content/uploads/2019/04/class11_economics_english.pdf

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	1	3	1	1	3	3	2			
CO2	3	3	3	2	2	1	1	3	3	3			
CO3	3	3	3	1	3	1	1	3	3	3			
CO4	3	3	3	2	2	1	1	3	3	2			
CO5	3	3	3	2	1	3	3	3	2	1			

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

III-B.A/ B.Sc ECONOMICS – SEMESTER-V

Paper-V ECONOMIC DEVELOPMENT AND INDIAN ECONOMY

Time: 2 ½ hours

Max. Marks: 50

Model Question Paper - 2021-22

Section-A

Answer the following questions

(3X10 = 30 Marks)

ఈ క్రింది అన్ని ప్రశ్నలకు సమాధానములు వ్రాయుము

1. (a) Explain the Distinction between Economic Growth and Development?
ఆర్థికవృద్ధికి ఆర్థికాభివృద్ధికి మధ్య గల భేదాలను వివరించుము?
(or)
(b) Explain the Harrod and Domar models of Economic Growth?
హర్రాడ్ మరియు డోమార్ ఆర్థికవృద్ధి నమూనాని వివరించుము?
2. (a) Explain the Balanced and Unbalanced Growth Theories?
సంతులిత మరియు అసంతులిత వృద్ధి సిద్ధాంతములను వ్రాయుము?
(or)
(b) Explain the Difference between Labour Intensive and Capital Intensive Methods?
శ్రమసాంద్రత మరియు మూలధనసాంద్రత పద్ధతుల మధ్య భేదాలను వివరించుము?
3. (a) Explain the Basic Features of Indian Economy?
ఆర్థిక వ్యవస్థ యొక్క ముఖ్య లక్షణాలను వివరించుము ?
(or)
(b) Explain the New Economic Reforms of 1991?
1991 నూతన ఆర్థిక సంస్కరణలను వ్రాయుము ?

Section-B

Answer any **FOUR** of the following questions

(4X5 = 20 Marks)

ఈ క్రింది వాటిలో నాలుగు ప్రశ్నలకు సమాధానములివ్వండి

4. Rowstow's Stages of Economic Growth - రోస్టర్ ఆర్థిక వృద్ధి దశలు
5. Sustainable Development - కొనసాగించగల అభివృద్ధి
6. Population policy - జనాభా విధానం
7. Types of Unemployment - నిరుద్యోగ రకాలు
8. Concept of Inclusive Growth - సమతౌల్యత భావనలు
9. MGNREGA - మహాత్మా గాంధీ జాతీయ ఉపాధి హామీ పథకం
10. Globalisation - ప్రపంచీకరణ
11. Natural Resources - సహజ వనరులు


GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
Under (CBCS PATTERN)
III - B.A/ B.Sc Paper-V (Core Paper)
Economic Development and Indian Economy
SEMESTER - V

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	2	1	2
Module-II	1	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.A/B.Sc. (V Sem)			
Course Code ECO124	TITLE OF THE COURSE INDIAN AND ANDHRA PRADESH ECONOMY				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. To understand the causes and effects of inflation and unemployment
- B. To using employment and national income will be able to describe and analyse economy in quantitative items.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Agriculture sectors contribution in Indian and AP Economy
CO2	Understand the importance, causes and impact of population growth and its distribution, translate and relate them with Economic Development
CO3	Gross the importance of planning under taken by the government of India
CO4	Understand the Agriculture as the foundation of Economic growth and development and its contribution to the Economy as a whole
CO5	Understand the Total AP economy

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Syllabus:

UNIT - 1

Indian Agriculture - Importance of Agriculture in India - Agrarian structure and relations- Factors determining Productivity- Agricultural Infrastructure - Rural credit - Micro Finance - Self Help Groups (SHGs) - Agricultural Price policy- concept of Crop Insurance - Food Security.

UNIT – 2

Structure and growth of Indian Industry - Industrial policies of 1956 & 1991 Meaning of Micro small and Medium Enterprises (MSMEs)- Problems and Prospects of small scale Industries in India.

UNIT – 3

Disinvestment in India - FEMA - Foreign direct investment - Services Sector in India – Reforms in Banking and Insurance -, IT, Education and Health.

UNIT - 4

Planning in India Economy - Objectives of Five year plans - Review of Five year Plans - Current Five year plan- NITI Aayog

UNIT - 5

Andhra Pradesh Economy - Population - GSDP - Sector Contribution and trends - IT – Small Scale Industry - SEZs.

Text books:

- A. Telugu Academy Publications. 10. Dr.Ch.S.G.K.Murthy, Indian Economy - Gitam University.
- B. M.P.Todaro - "Economic Development", Longman, London 6/e, 1996.
- C. G.Omkarnath - Economics - A Primer for India - Orient Blackswan, 2012

Reference books:

- A. Dhingra, I.C - "Indian Economy", Sultan Chand, 2014.
- B. 2. Ruddar Dutt and K.P.M. Sundaram - "Indian Economy", S.Chand & Co., 2015. 3. G.M.Meier - "Leading Issues in Economic Development", Oxford University Press, New York, 3/e.
- C. 4. 5. Reserve Bank of India - Hand book of Statistics on Indian Economy (Latest).

Web Links:

- A. <https://smartprep.in/2017/02/ap-intermediate-indian-economy-textbook-study-material-pdf-telugu/>
- B. https://www.jmi.ac.in/upload/menuupload/zhl_ebooks_economics.pdf

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	1	3	1	1	3	3	2			
CO2	3	3	3	2	2	1	1	3	3	3			
CO3	3	3	3	1	3	1	1	3	3	3			
CO4	3	3	3	2	2	1	1	3	3	2			
CO5	3	3	3	2	3	2	1	3	3	3			

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

III-B.A/ B.Sc ECONOMICS – SEMESTER-V

Under CBCS Pattern

Paper-VI: INDIAN AND ANDHRA PRADESH ECONOMY

Time: 2 ½ hours

Max. Marks: 50

Model Question Paper- 2021-22

Section-A

Answer the following questions

(3X10 = 30 Marks)

ఈ క్రింది అన్ని ప్రశ్నలకు సమాధానములు వ్రాయుము

1. (a) Explain the Importance of agriculture in India?

భారతదేశంలో వ్యవసాయరంగం యొక్క ప్రాధాన్యతను వివరించుము ?

(or)

(b) Explain the Reasons for low agricultural productivity in India?

భారతదేశంలో అల్పవృత్పాదకతకు గల కారణాలను వివరించుము ?

2. (a) Explain the New Industrial policy 1991?

1991 నూతన పారిశ్రామిక విధానం వివరించుము ?

(or)

(b) what is Objectives of five year plan ?

పంచవర్ష ప్రణాళిక లక్ష్యాలను వ్రాయుము ?

3. (a) Explain the Disinvestment policy in India?

భారతదేశంలో పెట్టుబడిఉపసంహరణ విధానం గురించి వివరించుము ?

(or)

(b) What is the special economic zone in AP (SEZS)?

ఆంధ్రప్రదేశ్లో ప్రత్యేక అర్ధికమండలు గురించి వ్రాయుము ?

Section-B

Answer any **FOUR** of the following questions

(4X5 = 20 Marks)

ఈ క్రింది వాటిలో నాలుగు ప్రశ్నలకు సమాదానములివ్వండి

- | | |
|------------------------------|------------------------------|
| 4. Self-Help Groups - | స్వయం సహాయక బృందాలు |
| 5. Food security - | ఆహారభద్రత |
| 6. FDI | విదేశీ ప్రత్యక్ష పెట్టుబడులు |
| 7. Education and health - | విద్య మరియు ఆరోగ్యం |
| 8. NITI Aayog- | నీతి ఆయోగ్ |
| 9. Service Sector in India - | సేవల రంగం |
| 10. FEMA - | విదేశీ మారక నియంత్రణ చట్టం |
| 11. GSDP - | రాష్ట్ర స్థూల దేశీయోత్పత్తి |

**GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
(CBCS PATTERN)**


**III-B.A/ B.Sc Paper-VI (Core Paper)
PAPER VI: Indian and Andhra Pradesh Economy
SEMESTER - V**

Time: 2 ½ Hrs

Max. Marks: 50

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Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	2	1	2
Module-II	1	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.A/ B.Sc. (VI Sem)			
Course Code ECO113	TITLE OF THE COURSE AGRICULTURAL ECONOMICS				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

1.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Understand limited resources available in the economy. Realize the need to exploit and utilize through development and improvement of production techniques
CO2	Productivity trends in Indian agriculture with special reference to Andhra Pradesh
CO3	Green revolution and its impact on Indian economy
CO4	Emerging trends in processing, marketing and exports in agricultural products
CO5	To understand the Agro – based industries in India

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Syllabus:

UNIT-1

Nature and Scope of Agricultural Economics. Factors affecting agricultural development: technological, institutional and general. Interdependence between agriculture and industry-Importance of Agricultural Economics

UNIT -2

Concept of production function: input-output and product relationship in farm production-Cobb-Douglass Production Function.

UNIT -3

Growth and productivity trends in Indian agriculture with special reference to Andhra Pradesh. Agrarian reforms and their role in economic development-Problems of Indian Agricultural

UNIT -4

Systems of farming, farm size and productivity relationship in Indian agriculture with special reference to Andhra Pradesh- New agriculture strategy and Green revolution: and its Impact-Second Green Revolution in India

UNIT -5

Emerging trends in production, processing, marketing and exports; policy controls and regulations relating to industrial sector with specific reference to agro-industries in agri-business enterprises-Agricultural Price Policy

Additional Module-IPR (Intellectual property Rights)

Text books:

- A. Gualti, A. and T. Kelly (1999), Trade Liberalisation and Indian Agriculture Oxford University Press, New Delhi
- B. Dantwala, M.L. et.al (1991), Indian Agricultural Development Since Independence, Oxford & IBH, New Delhi.
- C. Lekhi RK and Singh Joginder, Agricultural Economics, Kalyani Publisher

Reference books:

- A. Sadhu An, Singh Amarjit and Singh Jasbir (2014), Fundamentals of Agricultural Economics, Himalaya Publishing House, Delhi
- B. Bhaduri, A. (1984), The Economic Structure of Backward Agriculture, Macmillan, Delhi.
- C. Bilgrami, S.A.R. (1996), Agricultural Economics, Himalayas publishing house, Delhi.

Web Links:

- A. <https://onlinelibrary.wiley.com/journal/15740862>
- B. <http://www.studyingeconomics.ac.uk/module-options/agricultural-economics/>

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], ' ' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	2	1	3	3	2			
CO2	3	3	2	1	3	3	1	3	3	1			
CO3	3	3	3	3	2	3	3	1	3	3			
CO4	3	3	3	3	3	2	1	2	3	2			
CO5	3	3	3	3	2	3	3	3	2	1			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM

III- B.A/B.Sc Model Question Paper

Cluster Elective

Paper –VII (A): AGRICULTURAL ECONOMICS

VI SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs.

Max. Marks: 50 M

SECTION - A

Answer all the following

(3X 10= 30)

ఈ క్రింది అన్ని ప్రశ్నలకు సమాధానాలు వ్రాయుము

1. (a) Explain nature and scope of Agricultural Economics and Interdependence between agriculture and industry.

వ్యవసాయ అర్థశాస్త్రం యొక్క స్వభావం, పరిధి మరియు వ్యవసాయం ,పరిశ్రమల మధ్య పరస్పర ఆధారాలను వివరింపుము .

(Or)

(b) What are the factors affecting the agricultural development? Explain.

వ్యవసాయాభివృద్ధిని ప్రభావితం చేసే కారకాలు ఏవి ?వివరింపుము

2. (a) Explain the concept of Production Function in Agricultural Sector?

వ్యవసాయ రంగంలో ఉత్పత్తి ఫల భావనలను వివరించుము.

(Or)

(b) Explain the role of agrarian reforms in economic development.

ఆర్థికాభివృద్ధిలో వ్యవసాయ సంస్కరణలు యొక్క పాత్రను వివరింపుము .

3. (a). Explain the trends in production, processing, marketing and exports in agriculture.

వ్యవసాయ ఉత్పత్తి ,ప్రాసెసింగ్ ,మార్కెటింగ్ మరియు ఎగుమతులలోని పోకడలను వివరింపుము

(Or)

(b)What is Green Revolution? Explain its impact

హరితవిప్లవము అనగానేమి ?దాని ప్రభావాన్ని వివరింపుము .

SECTION - B

Answer any FOUR of the following

(4 X 5 = 20)

ఈ క్రింది వాటిలో ఏవైనా మూడింటికి సమాధానాలు వ్రాయుము

4. Interdependence between agriculture and industry
వ్యవసాయము మరియు పరిశ్రమలు మధ్య పరస్పరాధారము
5. Growth and productivity trends in Andhra Pradesh agriculture
ఆంధ్రప్రదేశ్ వ్యవసాయములో వృద్ధి మరియు ఉత్పాదకత లలోని పోకడలు
6. Systems of farming
సాగు విధానాలు
7. Farm size and productivity relationship in AP Agriculture
ఆంధ్రప్రదేశ్ వ్యవసాయములో వ్యవసాయపరిమానానికి ఉత్పాదకతకు గల సంబంధము
8. New Agricultural strategy.
నూతన వ్యవసాయ వ్యూహం
9. Drought Prone Area Programme (DPAP)
కరువు పీడిత ప్రాంత పథకము
10. Agrarian reforms
వ్యవసాయ సంస్కరణలు
11. Agricultural Marketing
వ్యవసాయ మార్కెటింగ్


GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
III B.A/ B.Sc - ECONOMICS (CBCS PATTERN)
Paper-VII (A) (CLUSTER ELECTIVE)
AGRICULTURAL ECONOMICS
SIXTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs.

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	2	1	2
Module-II	1	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.A/ B.Sc. (VI Sem)			
Course Code ECO114	TITLE OF THE COURSE AGRIBUSINESS AND ENVIRONMENT IN ANDHRA PRADESH				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. Understand the Agriculture Economics in development process.
- B. To know the facilities of Agriculture sector finance.
- C. Understand the Marketing policy in India.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Understand the role of agriculture in development process
CO2	Students will demonstrate importance of agricultural finance in modern agriculture and inter linkage of agricultural credit and other input markets and product markets
CO3	Demonstrate production and processing trends in exports and imports of major agricultural commodities
CO4	Understand the marketing policy of agricultural commodities
CO5	Student will discuss the Role of farmer groups in Agricultural Marketing.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Syllabus:

UNIT-1

Role of agriculture in development process in Andhra Pradesh vis-à-vis other developed states. Economy wide effects of agriculture in Andhra Pradesh through trickle down effects. Backward and forward linkages of agriculture with rest of economy-Features of Andhra Pradesh Agricultural Economy.

UNIT -2

Agricultural finance-importance in modern agriculture- performance of agricultural finance in Andhra Pradesh -problems of agricultural finance – Inter linkages of agricultural credit and other input markets and product markets – Suggestion to improve Agricultural Finance.

UNIT -3

Dynamics of agriculture-crop (horticulture, field crops), sector-livestock (poultry dairy and fisheries) sector and inter linkages among the sectors. Agribusiness sector in Andhra Pradesh-salient futures, constraints, sub sectors of agribusiness-input sector, production sector, processing sector-Animal Husbandry.

UNIT -4

Growth performance of major agricultural commodities in Andhra Pradesh-production and processing trends in exports and imports of major agricultural commodities-W.T.O and Indian Agriculture.

UNIT -5

Marketing policy- structure of agri markets – regulated markets – need – activities – structure – APMC act – market legislations – Role of Farmer Groups in the marketing of Agricultural Produce-Minimum Support Price in India.

Text books:

1. Agarwal Raj, 2001, Business Environment, Excel Books, New Delhi.
2. Francis Cherunilam 2003. Business Environment. Himalaya Publ.

Reference books:

1. Adhikary M. 1986. Economic Environment of Business. S. Chand & Sons.
2. Aswathappa K. 1997. Essentials of Business Environment. Himalaya Publ.

Web Links:

1. <https://onlinelibrary.wiley.com/journal/15740862>
2. <http://www.studyingeconomics.ac.uk/module-options/agricultural-economics/>

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	2	1	3	3	2			
CO2	3	3	3	1	2	3	1	3	3	1			
CO3	3	2	3	1	3	3	2	3	3	3			
CO4	3	3	3	3	3	3	1	3	3	2			
CO5	3	3	3	3	3	1	3	3	3	2			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
III - B.A/ B.Sc Model Question Paper
Cluster Elective
Paper –VIII (A): AGRIBUSINESS ENVIRONMENT In ANDHRA PRADESH
VI-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs.

Max. Marks: 50 M

SECTION - A

Answer all the following

(3 X 10 = 30)

ఈ క్రింది అన్ని ప్రశ్నలకు సమాధానాలు వ్రాయుము

1. (a) Explain the role of agriculture in development process in Andhra Pradesh.
ఆంధ్రప్రదేశ్ లో ఆర్థికాభివృద్ధి లో వ్యవసాయరంగం పాత్ర వివరించుము.
(Or)
(b) Explain the Importance and Features of Andhra Pradesh Agricultural Sector?
ఆంధ్రప్రదేశ్లో వ్యవసాయరంగం యొక్క ప్రాముఖ్యతను మరియు లక్షణాలున్న
వివరించుము
2. (a) What is agricultural finance? And explain its importance in modern agriculture.
వ్యవసాయ విత్తం అనగానేమి మరియు ఆధునిక వ్యవసాయ రంగంలో దీని
ప్రాధాన్యతను వివరింపుము.
(Or)
(b) Explain the inter linkages of agricultural credit and other input markets and product
markets.
వ్యవసాయ పరపతికి వుత్పాదిత, వస్తు మార్కెట్లమధ్య అంతర్ సంబంధాలునువివరింపుము
3. (a) What is Crop sector and livestock sector? And Explain their inter linkages.
పంటల రంగము మరియు పశువుల రంగము అనగానేమి ?వాటి అంతర్ సంబంధాలును
వివరింపుము
(Or)
(b) What is Marketing policy? And explain the structure of agri- market.
మార్కెటింగ్ విధానం అనగానేమి? మరియు అగ్రిమార్కెట్ నిర్మాణం గురించి
వివరింపుము

SECTION - B

Answer any **FOUR** of the following

(4 X 5 = 20)

ఈ క్రింది వాటిలో ఏవైనా మూడింటికి సమాధానాలు వ్రాయుము

4. Effects of agriculture in Andhra Pradesh
ఆంధ్రప్రదేశ్ లో వ్యవసాయం యొక్క ప్రభావం
5. Performance of agricultural finance in Andhra Pradesh
ఆంధ్రప్రదేశ్ లో వ్యవసాయవిత్తం పనితీరు
6. Problems of agricultural finance
వ్యవసాయవిత్తం సమస్యలు
7. Constraints of agribusiness sector in Andhra Pradesh
ఆంధ్రప్రదేశ్ లో వ్యాపారస్థాయిలో చేయబడు వ్యవసాయరంగం ఆవరోధాలు
8. Regulated markets
క్రమబద్ధీకరించబడిన మార్కెట్లు
9. Trickle-down effect
ట్రికిల్ డౌన్ ప్రభావం
10. APMC act
ఏపీ ఎం సి చట్టం
11. Fisheries
మత్స్యపరిశ్రమ


GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
III B.A/ B.Sc – ECONOMICS (CBCS PATTERN)
Paper-VIII (A) (CLUSTER ELECTIVE)
AGRIBUSINESS ENVIRONMENT In ANDHRA PRADESH
SIXTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs.

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	2	1	2
Module-II	1	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.A/ B.Sc. (VI Sem)			
Course Code ECO115	TITLE OF THE COURSE AGRICULTURAL OUTPUT MARKETING				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. Understand the Agriculture Economics in development process.
- B. To know the facilities of Agriculture sector finance.
- C. Understand the Marketing policy in India.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Understand the role of agriculture in development process
CO2	Students will demonstrate importance of agricultural finance in modern agriculture and inter linkage of agricultural credit and other input markets and product markets
CO3	Demonstrate production and processing trends in exports and imports of major agricultural commodities
CO4	Understand the marketing policy of agricultural commodities
CO5	Student will discuss the Role of farmer groups in Agricultural Marketing.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Syllabus:

Module-1

Structure and Model of Agri-Marketing Organizations with functions: Functions of intermediaries, Marketing Practices in Primary and secondary and terminal market, Regulated markets, co-operative marketing- Agricultural Marketing and Ninth plan

Module-2

Marketing costs and margins, Marketing Finance. Marketing Structure of Major agricultural commodities, food grains: Rice, and Maize. Cash Crops; Cotton, Oil Seeds, Vegetables and Fruits, Milk, Meat and Poultry products- Mechanization of Agriculture

Module-3:

Problems and Challenges in Agriculture Marketing - Market Yards - Support prices - Rural Warehousing- Functions of Marketing

Module-4:

State Intervention in Agricultural Marketing, Role of Various agencies (Andhra Pradesh Agro, MARKEED, State Department, and FCI, Tobacco Board, Cotton Corporation) and its impact on market efficiency. Agriculture Price Commission- Role of APEDA (Agricultural and Processed food Products Exports Development Authority

Module-5:

Inter-regional and international trade in agriculture; emerging scenario of international trade in agricultural commodities; concept of terms of trade and balance of payments. WTO and Indian agriculture with special reference to Andhra Pradesh - Objectives of Price policy

Text books:

1. Agarwal Raj, 2001, Business Environment, Excel Books, New Delhi.
2. Francis Cherunilam 2003. Business Environment. Himalaya Publ.

Reference books:

1. Adhikary M. 1986. Economic Environment of Business. S. Chand & Sons.
2. Aswathappa K. 1997. Essentials of Business Environment. Himalaya Publ.

Web Links:

1. <http://www.freebookcentre.net/Biology/Agriculture-Books.html>
2. <https://subjectguides.ara.ac.nz/agriculture/Books>

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	2	1	3	3	2			
CO2	3	3	2	1	2	3	1	3	3	1			
CO3	3	3	3	1	3	2	2	3	3	3			
CO4	3	3	3	3	3	3	1	3	3	2			
CO5	3	3	3	3	3	3	1	2	3	2			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
III - B.A/ B.Sc Model Question Paper
Cluster Elective
Paper –IX (A): AGRICULTURAL OUTPUT MARKETING
VI-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

SECTION - A

Answer all the following

(3X 10 = 30)

ఈ క్రింది అన్ని ప్రశ్నలకు సమాధానాలు వ్రాయుము

1. (a) Explain the structure of Agri- marketing organizations with functions.
వ్యవసాయమార్కెటింగ్ సంస్థల నిర్మాణము మరియు విధులును వివరించుము

(Or)

(b) Explain the marketing practices in primary and secondary and terminal markets.
ప్రాథమిక, ద్వితీయ మరియు టెర్మినల్ మార్కెట్లలోని పామ్కెటింగ్ పద్ధతులును వివరింపుము

2. (a) Explain the marketing structure of major agricultural commodities of food and cash crops.

ఆహార, వాణిజ్యపంటల ప్రధాన వ్యవసాయ వస్తువుల యొక్క మార్కెటింగ్ నిర్మాణమును వివరింపుము (Or)

(b) What are the problems and challenges in agricultural marketing? Explain.

వ్యవసాయ మార్కెటింగ్ లోని సమస్యలు మరియు సవాళ్ళు ఏవి? వాటిని వివరింపుము.

3. (a) Explain the Performance of Rural Warehousing ?

గ్రామీణ గిడ్డంగుల పనితీరును వివరించుము?

(Or)

(b) Explain the impact of WTO on Indian Agriculture with special reference to Andhra Pradesh.

భారత మరియు ఆంధ్రప్రదేశ్ వ్యవసాయంపై ప్రపంచ వాణిజ్య సంస్థ ప్రభావాన్ని వివరింపుము

SECTION - B

Answer any FOUR of the following

(4x 5 = 20)

ఈ క్రింది వాటిలో ఏవైనా మూడింటికి సమాధానాలు వ్రాయుము

4. Functions of intermediaries
మధ్యవర్తిత్వ సంస్థల విధులు
5. Co-operative marketing
సహకార మార్కెటింగ్
6. Marketing costs and margins
మార్కెటింగ్ వ్యయాలు మరియు మార్జిన్లు
7. Agricultural price commission
వ్యవసాయ ధరల సంఘం
8. Role of MARKFED
మార్కెటింగ్ ఫెడరేషన్ యొక్క పాత్ర
- 9.FCI
భారతీయ ఆహార సంస్థ
- 10.Balance of Payments
చెల్లింపుల సమతుల్యం
- 11.Inter-regional trade
అంతర్ ప్రాంతీయ వ్యాపారము

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
III B.A/B.Sc – ECONOMICS (CBCS PATTERN)
Paper-IX (A) (CLUSTER ELECTIVE)
AGRICULTURAL OUTPUT MARKETING
SIXTH SEMESTER END EXAMINATIONS


Time: 2 ½ Hrs.

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	2	1	2
Module-II	1	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

B.A (RURAL DEVELOPMENT SYLLABUS)
THREE YEARS

	Government College (Autonomous) Rajahmundry	Program & Semester I B.A PARDSW			
Course Code RD101	TITLE OF THE COURSE RURAL ECONOMICS-1				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. To know the Employment and Poverty in India.
- B. Understand the Rural occupational Structure.
- C. Understand the Rural Development in India.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Understand the Nature and Scope of Rural Economics
CO2	Recognizes the rural resources management in India
CO3	Study the Rural Demography and Rural Occupational structure
CO4	Analyse the Rural Poverty and Unemployment
CO5	Student will discuss the Role of Poverty and unemployment in India.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module I : Introduction to Rural Economics

Nature and Scope of Rural Economics, Inter-disciplinary approach of Rural Economics – Components-Structure and Characteristics -Pre and Post-independence-importance of Rural Economics.

Module II : Rural Resources Management in India

Rural Resources –Nature-Types and Magnitude - Rural Resources- Management and Development, Application of Technology in Rural Development – Problems and prospects-Rural Resources Potential and Management issues.

Module III : Rural Demography

Population Size - Sex and Age Composition- Density of Population- Population Problems and Challenges – Family Welfare Measures in Rural India-Population Control

Module IV : Rural Occupational Structure

Nature of Rural Occupations - Occupational Distribution in Rural India – The Concept of Work Participation Rates.- Features of Occupational Structure

Module V : Rural Poverty and Unemployment

14 Hours

Rural Poverty-Meaning, Estimates, Causes and Consequences. Unemployment - Meaning, Types, Magnitude of Rural Unemployment, - Causes and Consequences.-Poverty Line

Text books:

1. Vasant Desai: Rural Development in India, Himalaya Publishing House, Mumbai, 2012
2. Dutt and Sundaram- Indian Economy, S.Chand Publications, New Delhi, 2013-07-02.

Reference books:

1. . Mukundan,N.-Rural Development and Poverty eradication in India.
2. 5. Katar Singh -Rural Development –Principles, Policies and Management.

Web Links:

3. <http://www.freebookcentre.net/Biology/Agriculture-Books.html>
4. <https://subjectguides.ara.ac.nz/agriculture/Books>

CO-PO Mapping:

(1: Slight [Low];

2: Moderate[Medium];

3: Substantial[High],

'-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	2	3	3	3			
CO2	3	3	3	2	2	3	2	3	3	2			
CO3	3	3	3	2	2	3	2	3	3	3			
CO4	3	3	3	2	3	3	3	3	3	3			
CO5	3	3	2	3	3	3	1	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM

I SEMESTER – B A RURAL DEVELOPMENT (CBCS PATTERN)

Paper-I (Core Paper)

**B A RURAL DEVELOPMENT
FIRST SEMESTER END EXAMINATIONS**

Time:2 ½ hours

MAX MARKS:50

SECTION -A

Answer all questions

3x10 =30

1 (a) Explain the nature and scope of rural economics?

(or)

(a) Explain management and development of rural resources.

2 (a) What are the problems and prospects in the application of technology in rural Economics?

(or)

(b) What are the problems and challenges of high population?

3.(a) what is rural poverty? Explain the causes of rural poverty?

(or)

(b) What is unemployment? Explain the causes of unemployment.

SECTION -B

Answer any four of the following

4x5=20 Marks

4. Relationship of rural economics with other disciplinarians

5. Characteristic of rural Economics

6. Types are rural resources

7. Family welfare measures

8. Nature rural of occupation

9. Occupational distribution in Rural India

10. Types of unemployment

11. Population size

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM


**I-B.A Paper-I (Core Paper)
PAPER I: RURAL DEVELOPMENT
FIRST SEMESTER END EXAMINATIONS**

Time: 2 ½ Hrs

Max. Marks: 50

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Module	Essays (10 marks)	Short Answers (4 marks)	Total Questions
Module-I	1	2	3
Module-II	1	1	2
Module-III	1	2	3
Module-IV	1	2	3
Module-V	2	1	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester I B.A PARDSW & II SEM			
Course Code RD102	TITLE OF THE COURSE RURAL DEVELOPMENT PROGRAMMES - II				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. To know how economic development measures the rural growth
- B. Understand various rural development theories.
- C. To know the various employment schemes in India.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Understand the factors Effecting rural growth and measurement of Economic Development
CO2	Analyse the Rural Development theories of Rostow, Lewis etc
CO3	Assess the different Rural Development and Rural Empowerment programmes
CO4	To know briefly about MGNREGA Program
CO5	Recognizes different Agencies for Rural Development.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module I: Growth and Development

16 Hours

Rural Development- Meaning, Nature and Scope - **Factors Affecting Rural Growth - Economic Development**- Definitions, Characteristics and Measurement - **Per Capita Income, Physical Quality of Life Index, Human Development Index.**

Module II : Rural Development Theories

16 Hours

W.W. Rostow's Theory of Stages, Lewis-Fei-Ranis Model and Gandhi an Approach to Rural Development.

Module III: Approaches to Rural Development

16 Hours

Early attempts for Rural Development - National Programmes for Rural Development, Community Development Programmes and **Employment Guarantee Schemes.**

Module IV: Rural Empowerment Programmes

8 Hours

Bharat Nirmana, Provisions of Urban Amenities in Rural Area (PU RA), Mahatma Gandhi National Rural Employment Guarantee Act- Features and Challenges.

Module V: Agencies for Rural Development

4 Hours

Government, Semi-Government Organisations, Co-Operative Institutions, Non-Government Organisations and Voluntary Agencies for Rural Development.

Text books:

1. Dutt and Sundaram- Indian Economy, S.Chand Publications, New Delhi, 2013-07-02.
2. . S.K. Mishra and V.K. Puri- Economics of Development and Planning, Himalaya Publishing House, Mumbai, 2012.

Reference books:

1. Vasant Desai: Rural Development in India, Himalaya Publishing House,
2. K Vijayakumar Empowerment of weaker section future planning and strategies for Rural Development in India.

Web Links:

1. <http://www.freebookcentre.net/Biology/Agriculture-Books.html>
2. <https://subjectguides.ara.ac.nz/agriculture/Books>

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	2	2	3	2	2			
CO2	3	3	3	2	3	3	1	3	3	2			
CO3	3	3	3	2	2	3	2	3	3	3			
CO4	2	3	3	2	2	3	2	3	2	2			
CO5	3	3	3	2	3	1	3	3	2	2			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
I - B.A– ECONOMICS (CBCS PATTERN)
Paper-II (Core Paper)
Rural Development Programme
SECOND SEMESTER END EXAMINATIONS
Model Question Paper- 2021-22

Time: 2 ½ Hrs

Max. Marks: 50

SECTION - A

Answer the following questions

(3 X 10 = 30)

1. (a) Explain the Nature and Scope of Rural Development?

(Or)

(b) Explain the Measurement of Economic Development?

2. (a) Explain the W.W. Rostow's theory of Stages?

(Or)

(b) Explain the National programmes for Rural Development ?

3.(a) Explain the program MGNREGS Act?

(Or)

(b) Explain the Urban Amenities in Rural area (PURA) Projects?

SECTION - B

Answer any FOUR of the following

(4 X 5 = 20 M)

5. Factors affecting Rural Growth
6. Per Capita Income
7. Gandhian approach to Rural development
8. Lewis-Fei-Ranis Model-
9. TRYSEM
10. Bharat Nirman
11. Non-Government Organisation
12. Government and Semi Government organisation

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM


**B.A Paper-II (Core Paper)
RURAL DEVELOPMENT PROGRAMMEE
SECOND SEMESTER END EXAMINATIONS**

Time: 2 ½ Hrs

Max. Marks: 50 M

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Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	2	2	4
Module-II	1	2	3
Module-III	1	1	2
Module-IV	1	1	2
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester II B.A PARDSW & III SEM			
Course Code RD103	TITLE OF THE COURSE AGRICULTURE AND RURAL LABOUR				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. To know how land reforms effect in India
- D. Understand the New agricultural strategies in India.
- E. To know the problems of Agriculture labourers

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Sensitize the overall Development and engaging of growth in Agriculture
CO2	Understand the limited resources availability in Economy
CO3	Understand the depended labour and Agricultural sector and their contribution in National Income
CO4	Knowledge about the labour dependency in different sector
CO5	Understand the problems about the small and medium scale industries

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module I : Agriculture and Rural Labour

Meaning, Importance, Characteristics of Agriculture: New Agricultural Strategy, Green Revolution, Recent Trends in Agriculture Development in India, Agricultural Policy in India.

Module II : Land Reforms in India

Tenancy Systems –Meaning,Forms, Consequences; Land ReformsConcepts, Importance, Progress and Current Status in India.

Module III: Farm Size and Efficiency in Rural Economy

Meaning and Importance, Productivity and Profitability, Farm Size - Productivity and Profitability - Agriculture Productivity in India- Status, Problems, Remedies.

Module IV: Agricultural Labour

Meaning, Types - Status and Magnitude - SocioEconomicCharacteristics - Agricultural Labour Problems Unemployment, Migration- Causes and Remedies.

Module V: Rural Labour

Meaning, Types – **Labour in Small and Cottage Industries**. Rural Labour in Service Sector, Problems, Government Measures.

Text books:

1. Vasant Desai: Rural Development in India, Himalaya Publishing House, Mumbai, 2012.
2. . S.K. Mishra and V.K. Puri- Economics of Development and Planning, Himalaya Publishing House, Mumbai, 2012.

Reference books:

1. Venkata Reddy, K. – Agriculture and Rural Development Himalaya Publication house.
2. K Vijayakumar Empowerment of weaker section future planning and strategies for Rural Development in India.

Web Links:

3. <http://www.freebookcentre.net/Biology/Agriculture-Books.html>
4. <https://subjectguides.ara.ac.nz/agriculture/Books>

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	1	3	3	1	3	3	3			
CO2	3	3	3	2	2	2	2	3	3	3			
CO3	3	3	3	2	3	3	2	3	3	3			
CO4	3	3	3	1	3	2	1	3	3	3			
CO5	3	3	3	2	2	3	3	3	1	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
II - B.A- ECONOMICS (CBCS PATTERN)
Paper-II (Core Paper)
Rural Development Programme
THIRD SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

Section-A

Answer the following questions

(3X10 = 30 Marks)

1. (a) Explain the importance of Agriculture Sector?
(or)
(b) What is Green Revolution? And impact of Green Revolution?
2. (a) Explain Tenancy reforms implements in India ?
(or)
(b) Explain the concepts of land reforms in India?
3. (a) What is Farm size and explain its productivity and profitability in farm size.
(or)
(b) What is Migration? Explain the causes and remedies of Migration ?

Section-B

Answer any FOUR of the following questions

(4X5 = 20Marks)

4. New Agricultural strategy
5. Agricultural policy in India
6. Tenancy system
7. Agricultural labour
8. Small Scale Industries in rural areas.
9. Problems of agricultural labourers
10. Causes of migration
11. Agricultural productivity in India.


GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
Agriculture and Rural Labour
THIRD SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

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Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester II B.A PARDSW & IV SEM			
Course Code RD104	TITLE OF THE COURSE RURAL INDUSTRIALISATION				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. To know how land reforms effect in India
- F. Understand the New agricultural strategies in India.
- G. To know the problems of Agriculture labourers

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Understand the factors Effecting rural growth and measurement of Economic Development
CO2	Anlyse the Rural Development theories of Rostow,Lewis etc
CO3	Assess the different Rural Development and Rural Empowerment programmes
CO4	Recognizes different Agencies for Rural Development
CO5	Understand the problems about the small and medium scale industries

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module I: Rural Industrialisation:

14 Hours

Concept, Need and Importance - Growth of Rural Industries in India – Gandhian Approach and Modern Approach - Problems and Remedies of Rural Industrialisation. Gandhian Approach to rural development

Module II: Rural Industries in India:

14 Hours

Growth and Structure of Rural Industries, Current Status, Measures to Sustain Growth, Sickness – Remedial Measures. Advantages in rural development programmes

Module III: Small Scale and Cottage Industries in Rural India:

10 Hours

Meaning, Definition, Role, Present Position, MSME – Industrial Policies and Programmes, Problems – KVIC and its Role. Problems and prospects in small scale industries

Module IV: Rural Industrial Financing:**12 Hours**

Sources of Credit - Institutional and Non –Institutional -Role of Commercial Banks, Co-operatives, Gramina Banks and NABARD. Impact of NABARD on rural banks

Module V: Rural Industrial Labour:**10 Hours**

Meaning, Importance, Types - Organized and Unorganized Rural Industrial Labour – Rural Industrial Labour Problems - Labour Turn Over – Migration. Microfinance

Text books:

1. S.K. Mishra and V.K. Puri- Economics of Development and Planning, Himalaya Publishing House, Mumbai, 2012.
2. Shankar Chatterjee- Implementation of Rural Development.

Reference books:

1. Venkata Reddy, K. – Agriculture and Rural Development Himalaya Publication house.
2. K Vijayakumar Empowerment of weaker section future planning and strategies for Rural Development in India.

Web Links:

1. <http://www.freebookcentre.net/Biology/Agriculture-Books.html>
2. <https://subjectguides.ara.ac.nz/agriculture/Books>

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	2	2	3	3	3			
CO2	3	3	3	2	2	2	1	3	3	2			
CO3	3	3	3	1	1	2	2	3	3	3			
CO4	3	3	3	2	2	2	2	3	3	2			
CO5	3	3	3	2	1	2	2	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM

Model Question Paper

II B.A Paper –IV: RURAL INDUSTRIALIZATION

IV SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs.

Max. Marks: 50

SECTION – A

Answer the following questions

(3 X 10 = 30)

1. (A) Explain The Concept , Needs And Importance Of Rural Industries In India

(Or)

(B) Explain The Problems And Remedial Measures Of Rural Industrialisation In India

2. (A) Explain The Growth And Structure Of Rural Industries In India.

(Or)

(B) Explain The Role And Present Position Of MSME

3 . (A) Explain The Functions Of NABARD

(Or)

(B) Explain The Problems Of Rural Industrial Labour

SECTION - B

Answer any FOUR of the following

(4 X 5 = 20)

4. Gandhian Approach

5. Measures to Sustain Growth

6. KVIC and its Role.

7.Small Scale Industries

8. Co-operative banks

9. Micro Finance

10. Rural Migration

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11. Unorganized Rural Industrial Labour.

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GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
Model Question Paper
II B.A Paper –IV: RURAL INDUSTRIALIZATION
IV SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs.

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester II B.A PARDSW & IV SEM			
Course Code RD111	TITLE OF THE COURSE AGRICULTURE ECONOMICS				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. To provide theoretical knowledge in agricultural economics with reference to Indian agriculture.
- B. To equip the students to understand the problems and prospects of Indian agriculture

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Understand limited resources available in the economy. Realize the need to exploit and utilize through development and improvement of production techniques
CO2	Productivity trends in Indian agriculture with special reference to Andhra Pradesh
CO3	Green revolution and its impact on Indian economy
CO4	Emerging trends in processing, marketing and exports in agricultural products
CO5	To understand the Agro – based industries in India

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship		Mo dul
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Module I AGRICULTURE AND ECONOMIC DEVELOPMENT

Definition and scope of Agriculture Economics – Agriculture in a growing Economy – Subsistence Agriculture and its Modernization – Interdependence between Agriculture and Industry – Farming System : Traditional, Subsistence, Commercial, co-operative, Collective and State farming – Role of Agriculture in Economic development of a Nation.

Module II AGRICULTURE PRODUCTION IN INDIA

Features of Indian Agriculture : Farm size, and productivity relationship in Indian Agriculture – Extent of Employment and unemployment in Agriculture – Technical change and Labour adsorption – Agricultural wages – women in Agriculture – Wage discrimination.

Module III FACTORS AFFECTING AGRICULTURE GROWTH AND PRODUCTIVITY

Size of land holdings – Land Reforms – Supply of Inputs : Irrigation, Power, Seed and Fertilizer – Pricing of Inputs – Social forestry and Environment – Determination of the prices of Agricultural commodities

– Agricultural prices policy in India – Crop Insurance.

Module IV AGRICULTURAL CREDIT IN INDIA AND AGRICULTURAL MARKETS

Demand for Agricultural credit and supply of Agricultural credit – Institutional agencies supplying Agricultural credit : National bank for Agriculture and Rural development [NABARD], Co-operatives, Commercial Banks, and Regional Rural banks Agricultural Markets : Definition and Scope – Types of Agricultural markets – cooperative marketing and regulated markets : Structure and functioning Agricultural markets and marketing Efficiency – market failures and state intervention.

Module V CHALLENGES TO INDIAN AGRICULTURE

Trends in Agricultural development under the 5 year plans – policies and programmes for Agricultural development – Green revolution and its impact – Sustainable Agriculture New Agricultural policy – World trend organization and Indian Agriculture.

Text books:

1. Tyagi B.P. (2002), Agricultural Economics and Rural development, Jaiprakash
2. Shankar Chatterjee- Implementation of Rural Development.

Reference books:

1. Bhaduri, A. (1984), The Economic Structure of Backward Agriculture, Macmillan, Delhi.
2. Dandekar V.M (1994), The Indian Economy 1947-1992, Vol I Agriculture, Sage

Web Links:

1. <https://onlinelibrary.wiley.com/journal/15740862>
2. <http://www.studyingeconomics.ac.uk/module-options/agricultural-economics/>

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	2	1	3	3	2			
CO2	3	3	2	1	3	3	1	3	3	1			
CO3	3	3	3	2	3	3	1	3	3	3			
CO4	3	3	3	3	3	2	1	2	3	2			
CO5	3	3	3	2	3	3	1	3	3	1			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM

**II- B.A RURAL DEVELOPMENT
AGRICULTURAL ECONOMICS
IV SEMESTER END EXAMINATIONS
Model Question Paper- 2021-22**

Time: 2 ½ Hrs.

Max. Marks: 50 M

SECTION - A

Answer all the following

(3X 10= 30)

1. (a) Explain nature and scope of Agricultural Economics and Interdependence between agriculture and industry.

(Or)

(b) What are the factors affecting the agricultural development? Explain.

2. (a) Explain the concept of Production Function in Agricultural Sector?

(Or)

(b) Explain the role of agrarian reforms in economic development.

3. (a). Explain the trends in production, processing, marketing and exports in agriculture.

(Or)

(b)What is Green Revolution? Explain its impact

SECTION - B

Answer any FOUR of the following

(4 X 5 = 20)

4. Interdependence between agriculture and industry

5. Growth and productivity trends in Andhra Pradesh agriculture

6. Systems of farming


7. Farm size and productivity relationship in AP Agriculture

8. New Agricultural strategy.

9.Drought Prone Area Programme (DPAP)

10.Agrarian reforms

11.Agricultural Marketing

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code RD105	TITLE OF THE COURSE REGIONAL ECONOMICS	III B.A PARDSW & V SEM			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- The ultimate objectives of regional economic policy run in terms of promotion of individual welfare, opportunity, equity, and social harmony.
- It would seem obvious, then, that economic policy in regard to a region should promote higher per capita real incomes, full employment, wide choice of kinds of work and styles of life for the individual, security of income, and not too much inequality among incomes.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	To understand the fundamentals of Regional Economics.
CO2	To help students understand the impacts of globalization on regional economies.
CO3	Assess the spatial micro economic theories of regional economics
CO4	Assess the spatial macro economic theories of regional economics
CO5	Understand the new economic reforms in India.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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MODULE I INTRODUCTION

Definition and Scope of Regional Economics – Concepts of region – Types of Region – Importance of Regionalization – Regionalization Approaches – Indicators of Regional Development.

MODULE II SPATIAL MICRO ECONOMIC THEORY

Determinants of Regional Location – Theories of Location – Von Thunen, Weber, Isard, Christaller, Losch on Location – Concentration vs Dispersal of Economic Activities.

MODULE III SPATIAL MACRO ECONOMIC THEORY

Regional Social Accounting – Regional Growth Process – Regional Multipliers – Regional Input Output Analysis – Regional Business Cycle – Convergence and Divergence – Techniques for regional Economic Analysis

MODULE IV REGIONAL ECONOMIC POLICY AND REGIONAL DISPARITIES

Importance and Objectives of regional Economic Policy – Formulation of Regional Economic Policy – Tools – Techniques Implementation – Limitations Causes of regional Disparities – Indicators – Extent – Trends – Policies and Programmes to reduce Disparities – Regional Planning – Backward Area Development Programmes – Institutional and Policy framework.

MODULE V GLOBALIZATION AND REGIONALIZATION

Significance –

Impact of New Economic Policy and Globalization on Regional Development – New Challenges and Policy Choices.

Text books:

1. Richardson H.W (1969) Elements of Regional Economics, Penguin Harmendsworth
2. Shankar Chatterjee- Implementation of Rural Development.

Reference books:

1. Shekhar Sudharshu (ed) (2003) Regional Planning in India, vol-I and II Anmol Publications, New Delhi.
2. Shrivastava O.S.(1992) Regional Economics : Theoretical issues, Anmol Publications ,New Delhi

Web Links:

1. https://ddceutkal.ac.in/Syllabus/MA_Economics/ECO-4.1-REGIONAL-ECONOMICS.pdf
2. <https://link.springer.com/content/pdf/bfm%3A978-1-349-23364-9%2F1.pdf>

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	1	3	1	1	3	3	2			
CO2	3	3	3	2	2	1	1	3	3	3			
CO3	3	3	3	1	3	1	1	3	3	3			
CO4	3	3	3	2	2	1	1	3	3	2			
CO5	3	3	2	1	3	2	2	3	3	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM

Model Question Paper

III B.A RURAL DEVELOPMENT

Paper – V: REGIONAL ECONOMICS

V SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs.

Max. Marks: 50

SECTION – A

Answer the following questions

(3 X 10 = 30)

1. A) Define Regional economics. Explain the scope of regional economics.

(OR)

B) Explain the different indicators of Regional development.

2. A) What is Regional location. Explain the weber theory of regional location.

(OR)

B) Differentiate between concentration and dispersal of economic activities.

3. A) What is social accounting. Explain regional social accounting

(OR)

B) Explain the importance and objectives of regional economic policy.

Section-B

Answer any FOUR of the following questions

(4X5 = 20 Marks)

5. Types of regions.

6. Determinants of regional location.

7. Regional business cycle.

8. Backward Area Development Programme.

9. New economic policy.

10. Regional economics.

11. Regionalisation.


GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
B.A RURAL DEVELOPMENT Paper-V (Core Paper)
RIGEIONAL ECONOMICS
FIFTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code RD106	TITLE OF THE COURSE RURAL FINANCE AND SERVICE	III B.A PARDSW & V SEM			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. Improve the transparency and accountability of financial institutions dealing with rural people. Reduce the high costs and risks of financial transactions in rural areas.
- B. Respond to the demand for a variety of financial services by the rural people.
- C. Bring about closer links between service providers and beneficiaries.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	To enable the students to understand nature of Rural Finance & Services
CO2	To make familiar the students about Growth and Development processes
CO3	To enable the students to understand Rural Marketing Processes
CO4	Understand about the Rural co-operative marketing in India
CO5	Understand the supporting prices for farmers in India.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module I :

Rural Finance in India 16 Hours Need for Rural credit -Credit delivery mechanisms - Rural Cooperative Credit Societies – **Long-term Rural Credit -New strategy for Rural lending.**

Module II :

Rural Institutional and Non –Institutional Finance in India Sources – **Nationalized Banks, RRBs, NABARD - Co-operative Sector and Micro Finance -Non-Institutional Rural Financial Services – NBFIs, SHGs - Issues and Problems.**

Module III:

Rural Marketing 12 Hours Concept –Importance of Rural Marketing - Classification and Structure of Rural Marketing - Input Market and Output Market Regulated markets - Ware Housing and Cold Storages - Problems & Remedies.

Module IV:

Rural Co-Operative Marketing 12 Hours Meaning and Definitions, Types, Structure-Role of Co-Operative markets,- State level Co-Cooperative marketing organizations, National Co-Operative Development Co-Operation (N.C.D.C) Government Policy measures.

Module V:

Rural Marketing Information and Pricing Nature and Scope, Channels of Marketing information, Farmers Service Centres - E-choupal -Support Price Policy in India.

Text books:

1. Richardson H.W (1969) Elements of Regional Economics, Penguin Harmondsworth
2. Shankar Chatterjee- Implementation of Rural Development.

Reference books:

1. Meenu agarwal – Consumer behaviour and Rural Marketing in India.
2. Y. Subbarayudu and P Mohana Reddy-Regional Rural Banks and Rural Development

Web Links:

1. <https://www.fao.org/3/Y2006E/y2006e0c.htm>
2. https://www.soas.ac.uk/cedep-demos/000_P528_RF_K3736-Demo/module/pdfs/p528_unit_01.pdf

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	2	3	2	3	3			
CO2	3	3	2	3	3	3	3	2	3	3			
CO3	3	3	3	3	3	1	3	1	3	2			
CO4	3	3	2	3	3	2	3	1	3	2			
CO5	3	3	3	2	3	2	3	3	1	2			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
Model Question Paper
III B.A RURAL DEVELOPMENT
Paper – VI: RURAL FINANCE AND SERVICE
V SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs.

Max. Marks: 50

SECTION – A

Answer the following questions

(3X 10 = 30)

1. A) What is the Need for rural credit .Explain different types of rural credit.
(OR)
B) What are credit delivery mechanisms. Explain role of rural Co-operative Credit Societies
2. A) What are the Functions of NABARD.
(OR)
B) Explain Non-Institutional finance services in India.
3. A)What is the importance of rural marketing. Explain the classifications of rural marketing.
(OR)
B) Define rural co-operative marketing. Explain types and structure of rural co-operative markets.

Section-B

Answer any FOUR of the following questions

(4X5 = 20 Marks)

5. New strategy for rural ending.
6. Regional Rural Banks.
7. Regulated Markets,
8. State level co-operative marketing organisation.
9. Former service centers
10. Rural finance.
11. Short term rural credit.


GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
B.A RURAL DEVELOPMENT Paper-V (Core Paper)
RURAL FINANCE AND SERVICE
FIFTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

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Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code RD107	TITLE OF THE COURSE BASICS OF ANDHRA PRADESH ECONOMY	III B.A PARDSW & VI SEM			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. Improve the transparency and accountability of financial institutions dealing with rural people. Reduce the high costs and risks of financial transactions in rural areas.
- B. Respond to the demand for a variety of financial services by the rural people.
- C. Bring about closer links between service providers and beneficiaries.

Course Outcomes:

On Completion of the course, the students will be able to-	
CO1	Develop idea about basic characteristics of Indian and AP Economy
CO2	Understand the importance, causes and impact of population growth and its distribution, translate and relate them with Economic Development
CO3	Gross the importance of planning under taken by the government of India
CO4	Understand the Agriculture as the foundation of Economic growth and development and its contribution to the Economy as a whole
CO5	Understand the Andhra Pradesh economy

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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MODULE – 1

Economic Policies of Andhra Pradesh:

Socio Economic welfare Programmes of Government of Andhra Pradesh. Composition of Population in Andhra Pradesh – Rural – Urban, Sex Ratio, Age Distribution.

MODULE - 2

Agriculture and Industrial Growth of Andhra Pradesh

Contribution of agriculture to income and employment in Andhra Pradesh. Land reforms in Andhra Pradesh - Cropping pattern – Irrigation Policy of Andhra Pradesh - sources of agricultural finances -agricultural subsidies – public distribution system in Andhra Pradesh.

MODULE - 3

Resource Development of Andhra Pradesh

Andhra Pradesh Budgetary resources and constraints - Fulfillment of the conditions of A.P Bifurcation Act – central assistance and issues of conflict - public debt and projects of external assistance.

Text books:

1. .K.Misra & V,K,Puri - "Indian Economy", Himalaya Publishing House, 2015.
2. M.P.Todaro - "Economic Development", Longman, London 6/e, 1996.

Reference books:

1. Ruddar Dutt and K.P.M. Sundaram - "Indian Economy", S.Chand & Co., 2015. 3. G.M.Meier - "Leading Issues in Economic Development", Oxford University Press, New York, 3/e.
2. Omkarnath - Economics - A Primer for India - Orient Blackswan, 2012.

Web Links:

1. <https://www.core.ap.gov.in/cmdashboard/Download/Publications/ap%20economy%20in%20brief-2020.pdf>
2. https://www.academia.edu/33186215/THE_ECONOMY_OF_ANDHRA_PRADESH

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate[Medium]; 3: Substantial[High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	1	3	3	2			
CO2	2	3	3	1	3	1	1	3	3	2			
CO3	3	3	3	2	2	1	1	3	3	3			
CO4	3	3	3	1	3	1	1	3	3	3			
CO5	3	3	3	2	2	1	1	3	3	2			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
III-B.A RURAL DEVELOPMENT– Semester-VI
Under CBCS

Paper-VII: Basics of Andhra Pradesh Economy

Time: 2 ½ hours

Max. Marks: 50

Section-A

Answer the following questions

(3X10 = 30 Marks)

1. (a) Explain the importance of agriculture in India?

(or)

(b) Explain the reasons for low agricultural productivity in India

2. (a) Explain the new Industrial policy 1991?

(or)

(b) Explain the problems & prospects of small scale industries in India?

3. (a) Explain the Disinvestment policy in India?

(or)

(b) What is the special economic zone in AP (SEZS)

Section-B

Answer **Four** of the following questions

(4X5 = 20 Marks)

4. Self-help groups

5. Food security

6. Growth of Indian industry

7. Education and health

8. NITI Aayog

...9. Plan Holiday

10. Privatization

11. FDI

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM

B.A RURAL DEVELOPMENT Paper-VII (Core Paper)

PAPER VII : Basics of Andhra Pradesh Economy


SIXTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.A PARDSW & VI SEM			
Course Code RD108	TITLE OF THE COURSE RURALINFRASTRUCTURE AND DEVELOPMENT				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. To promote economic growth among the rural population through adequate access to food, shelter, clothing, education and employment. With proper opportunities proportional to the same in urban areas, individuals residing in rural areas will be able to get a level ground for income options.
- B. Respond to the demand for a variety of financial services by the rural people.

Course Outcomes:

On Completion of the course, the students will be able to-

CO1	It helps and provides the fund support that is needed and also in cost-effective ways. Monitors the entire process and evaluates them finally. Associates, along with the Government for timely delivery.
CO2	Understand the importance of Rural transport in India.
CO3	To know social infrastructure and education and health.
CO4	Understand the Rural communication technology.
CO5	Understand the Rural energy sources in India

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module I :

12 Hours

Rural Infrastructure Meaning, Components -Importance of Rural infrastructure, Growth of Rural Infrastructure – Infrastructure Policy- Rural Infrastructure Development Fund (RIDF).

Module II :**14 Hours**

Rural Transportation Types and Structure - Road and Rail Co- ordination - Rural transportation problems - Various Schemes for Rural Transportation Development in India.

Module III:**14 Hours**

Social Infrastructure Concept -Components of Social Infrastructure, Education, Health, Drinking Water - Sanitations -Issues, problems and Remedies.

Module IV:**10 Hours**

Rural Communication and Information Communication Technology Need, Sources, technology and Rural Communication, Issues and problems - Government policies for rural Communication.

Module V:**10 Hours**

Rural Energy Meaning and types - Sources of rural energy, Rural electrificationProblems, Remedies and Programmes - Non-Renewable Energy.

Text books:

1. Dutt and Sundaram- Indian Economy,.
2. Mishra S.K. and Puri V.K. - Economics of Development and Planning, Himalaya Publishing House, Mumbai, 2012.

Reference books:

1. Ruddar Dutt and K.P.M. Sundaram - "Indian Economy", S.Chand & Co., 2015. 3. G.M.Meier - "Leading Issues in Economic Development", Oxford University Press, New York, 3/e.
2. Omkarnath - Economics - A Primer for India - Orient Blackswan, 2012.

Web Links:

1. https://www.ilo.org/asia/WCMS_099466/lang--en/index.htm#:~:text=Infrastructure%20assets%20such%20as%20rural,social%20and%20economic%20productive%20life.
2. <https://journals.sagepub.com/doi/abs/10.1177/0973801017703499?journalCode=mar>

CO-PO Mapping:

(1: Slight [Low];

2: Moderate[Medium];

3: Substantial[High],

'-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	1	3	3	1	3	3	3			
CO2	3	3	3	2	2	2	2	3	3	3			
CO3	3	3	3	2	3	3	2	3	3	3			
CO4	3	3	3	1	3	2	1	3	3	3			
CO5	3	3	3	3	3	3	1	3	3	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
III B.A RURAL DEVELOPMENT
Paper – VIII: RURAL INFRASTRUCTURE AND DEVELOPMENT
VI SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs.

Max. Marks: 50

SECTION – A

Answer the following questions

(3 X 10 = 30)

1. A) What is Rural infrastructure? Explain its components.
(OR)
B) What is Rural infrastructure policy? Explain the role of Rural Infrastructure Development Fund.
2. A) What is rural transportation? Explain types and structure of rural transportation.
(OR)
B) Explain various schemes for rural transportation development in India.
3. A) What is social infrastructure? Explain its components.
(OR)
B) What are the problems and Remedies of Rural Electrification.

Section-B

Answer Four of the following questions

(4X5 = 20 Marks)

4. Rural Infrastructure Development Fund.
5. Road transport.
6. Water transport.
7. Importance of Rural Infrastructure.
8. Rural communication.
9. Sources of IC Technology.
10. Rural energy sources.
11. Rural Electrification.


GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
B.A RURAL DEVELOPMENT Paper-VIII (Core Paper)
RURAL INFRASTRUCTURE AND DEVELOPMENT
SIXTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.A PARDSW & VI SEM			
Course Code RD109	TITLE OF THE COURSE DEVELOPMENT AND ENVIRONMENTAL ECONOMICS				
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		4	1	-	4

Course Objectives:

- A. To maintain a balance between economic development and environmental quality
- B. In order to achieve it, environmental economists have to explore the various socio-economic possibilities to reduce pollution and uplift the standard of living of the people.

Course Outcomes:

On Completion of the course, the students will be able to-

CO1	The aim of economic development is to improve the material standards of living by raising the absolute level of per capita incomes.
CO2	Understand the various Growth theories of economic growth
CO3	To know balanced and unbalanced growth in the economy
CO4	Environmental economists perform studies to determine the theoretical or empirical effects of environmental policies on the economy
CO5	Understand the various types of pollutions and impact on environment

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module I:

ECONOMIC DEVELOPMENT

Concept of Development – Definitions – Distinction between Economic Growth and development – Sustainable Development – Characteristics of Developing Countries – Measures of Economic Development : Gross National Product (GNP) – Per Capita

Income, Net Economic Welfare, Physical Quality of Life Index (PQLI), human development Index (HDI), Gender Development Index(GDI), Gender Empowerment Measure(GEM), Human Poverty Index (HPI).

Module II GENERAL THEORIES OF ECONOMIC GROWTH

Adam Smith's Theory, David Ricardo's Theory, T.R. Malthus' Theory, Karl Marx's Theory, Schumpeter's Theory, and Rostow's Growth Theory.

Module III

PARTIAL THEORIES OF ECONOMIC DEVELOPMENT

Labour Surplus Model (Arthur Lewis) – Big Push Theory – Critical Minimum Effort Thesis – Balanced v/s unbalanced Growth.

Module IV

ENVIRONMENTAL ECONOMICS

Introduction – Meaning, Nature and scope, Importance of the Study of Environmental Economics –relationship between environment and economic development – Meaning of Sustainable development and its Importance – Strategies of Sustainable development

Module V

POLLUTION AND ITS IMPACT ON THE ENVIRONMENT.

Meaning and Definitions of Pollution – Air Pollution, Water Pollution, Noise Pollution – Causes, Consequences, Various Methods to Control Pollution, Pollution and Externalities – Types of Externalities Divergence between Social Cost and private Cost.

Text books:

1. Rajalaxmi and Dulasi Brinda, Environmental Economics.
2. Mishra S.K. and Puri V.K. - Economics of Development and Planning, Himalaya Publishing House, Mumbai, 2012.

Reference books:

1. (1961), Theories of Economic Growth and Development, Stanford University Press, Stanford.
2. Benjamin Higgins, (1968) Economic Development, W.W.Norton & Company. Inc. New York

Web Links:

1. https://www.ilo.org/asia/WCMS_099466/lang--en/index.htm#:~:text=Infrastructure%20assets%20such%20as%20rural,social%20and%20economic%20productive%20life.
2. <https://journals.sagepub.com/doi/abs/10.1177/0973801017703499?journalCode=mar>

CO-PO Mapping:

(1: Slight [Low];

2: Moderate[Medium];

3: Substantial[High],

'-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	1	3	1	1	3	3	3			
CO2	2	3	3	1	3	1	1	3	3	2			
CO3	3	3	3	2	2	1	1	3	3	3			
CO4	3	3	3	1	3	1	1	3	3	3			
CO5	3	3	3	2	2	1	1	3	3	2			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
III B.A RURAL DEVELOPMENT

Paper – IX:

VI SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs.

Max. Marks: 50

SECTION – A

Answer the following questions

(3 X 10 = 30)

1. A) Define economic development distinguish between economic growth and development.

(OR)

B) What are the characteristics of Developing countries.

2. A) Critically examine theory of Adam smith.

(OR)

B) Explain the Rostow theory of growth.

3. A) What is pollution? Explain different types of pollution.

(OR)

B) Define environmental economics and explain its nature and scope.

Section-B

Answer Four of the following questions

(4X5 = 20Marks)

4. HDI
5. Karl Marx growth theory
6. Critical Minimum effort
7. Unbalanced growth
8. Environmental Economics
9. Sustainable development
10. Land pollution
11. Innovation Index

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM
B.A RURAL DEVELOPMENT Paper-IX (Core Paper)
DEVELOPMENT AND ENVIRONMENTAL ECONOMICS
SIXTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50


BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

B.Sc ECONOMETRICS SYLLABUS THREE YEARS

DEPARTMENT OF ECONOMICS

Semester	Paper	Subject	Hrs.	Credits	CIA	SEE	Total
FIRST YEAR							
Semester I	Paper-I	Microeconomics (EMT 101)	6	5	50	50	100
Semester II	Paper-II	Macroeconomics (EMT102)	6	5	50	50	100
SECOND YEAR							
Semester III	Paper-III	Quantitative techniques	6	5	50	50	100
Semester IV	Paper-IV	Mathematical Economics	6	5	50	50	100
Semester IV	Paper-V	Econometrics	6	5	50	50	100
THIRD YEAR							
Semester V	Paper-V	Econometrics (EMT105)	5	5	50	50	100
	Paper-VI	Econometric Methods(EMT106)	5	5	50	50	100
Semester VI*	Paper-VII	Computers and its applications(EMT 107) Or Advanced Optimization Methods (EMT 108)	5	5	50	50	100
Semester VI*	Cluster-1	Economics of Insurance (EMT109)	5	5	50	50	100
		Advanced Econometrics(EMT110)	5	5	50	50	100
		Project (EMT 111)	5	5	50	50	100
	Cluster-2	Applied Econometrics (EMT 112)	5	5	50	50	100
		Econometric Tools in Business (EMT 113)	5	5	50	50	100
		Project (EMT 114)	5	5	50	50	100

	Government College (Autonomous) Rajahmundry	Program & Semester I B.Sc (MSEM) (I Sem)			
Course Code EMT 101	TITLE OF THE COURSE MICRO ECONOMICS				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4




Course Objectives

1. Demonstrate an understanding, usage and application of basic economic principles.
2. Describe and apply the methods for analyzing consumer behavior through demand and supply, elasticity and marginal utility. Understand the role of alternative property rights in resource allocation.

Course Outcomes

CO1	Understand that Economics is about the allocation of scarce resources, that scarcity forces choice, trade-offs exist and that every choice has an opportunity cost.
CO2	Producers equilibrium with the help of isoquants, expansion path and elasticity of substitution
CO3	The course intends to familiarize the students with the basic concepts in money market and capital market
CO4	To enable students to know the Different types of markets and features
CO5	Demonstrate marginal productivity theory of distribution, theory of wages, identify different types of rent and illustrate different types of interest and profit

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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UNIT 1: (12 Hours)

Nature and scope of economics; Methodology in economics; Choice as an economic problem; basic postulates; Role of price mechanism; Demand and supply; Basic framework — applications; Market equilibrium.

UNIT 2: (12 Hours)

Utility — Cardinal and ordinal approaches; Indifference curve; Consumer's equilibrium (Hicks and Slutsky); Giffin goods; Compensated demand; Elasticity of demand — Price, income and cross; Consumer's surplus; Engel curve.

UNIT 3: (12 Hours)

Production decisions; Production function; Iso-quant; Factor substitution; law of variable proportions; returns to scale; economies of scale; Different concepts of cost and their interrelation; Equilibrium of the firm; Expansion path; Empirical evidence on costs.

UNIT 4: (12 Hours)

Market forms — Perfect and imperfect markets; Equilibrium of a firm — Perfect competition, monopoly and price discrimination; Measure of monopoly power; Monopolistic competition; Duopoly, Oligopoly; Taxation and equilibrium of a firm; Notion of controlled and administered prices.

UNIT 5: (12 Hours)

Marginal productivity theory of distribution; Theories of wage determination; Wages and collective bargaining; Wage differentials; Rent — Scarcity rent; Differential rent; Quasi rent; Interest — Classical and Keynesian theories; Profits — Innovation, risk and uncertainty theories. Concept of a social welfare function; Compensation principle — Kaldor, Hicks.

Text books:

1. Koutsoyiannis, A. (1990), Modern Microeconomics, Macmillan.
2. Henderson J. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.

Reference books:

1. Bach, G.L. (1977), Economics, Prentice Hall of India, New Delhi.
2. Gauld, J.P. and Edward P. L. (1996), Microeconomic Theory, Richard. Irwin, Homewood.
3. Heathfield and Wibe (1987), An Introduction to Cost and Production Functions, Macmillan, London

Web Links

1. <https://www.economicnetwork.ac.uk/teaching/Online%20Text%20and%20Notes/Principles%20of%20Microeconomics>
2. <https://ocw.mit.edu/courses/economics/14-01sc-principles-of-microeconomics-fall-2011/>

CO-PO Mapping

(1: Slight [Low];
Correlation)

2: Moderate [Medium];

3: Substantial [High],

'-' : No

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	2	3	2	3	2	3	2	3			
CO2	3	2	3	2	3	3	2	3	2	3			
CO3	3	2	3	2	3	2	3	2	3	2			
CO4	3	1	3	3	3	2	3	2	3	2			
CO5	3	3	3	2	3	2	3	2	3	2			

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM.

**I B.SC ECONOMETRICS
SEMESTER –I
MICRO ECONOMICS**

TIME: 2 ½ HRS

MAX MARKS :50

I. Answer the following the questions

3x10=30

1.(a) Define economics and explain the nature and scope economics.

(or)

(b) Explain the consumer equilibrium with the help of indifference curves

2.(a) What is elasticity of demand? Explain different types of elasticity of demand.

(or)

(b) Explain the law of variable proportions.

3. (a) How is price determined under perfect competitions.

(or)

(b) Explain the Marginal productivity theory of distribution.

II Answer any Four of the following

4x5=20

4. Inductive and deductive methods

5. Micro Economics and macro economics

6. Types of Economics of scale.

7. Price determined

8. Engel curve

9. Characteristics features of duopoly

10. Differential rent

11. Innovation theory of profit

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM.

I SEMESTER – ECONOMETRICS (CBCS PATTERN)


**Paper-I(Core Paper)
MICRO ECONOMICS**

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	2	2	4
Module-II	1	1	2
Module-III	1	2	3
Module-IV	1	1	2
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester I B.Sc (MSEM) (II Sem)			
Course Code EMT 102	TITLE OF THE COURSE MACRO ECONOMICS				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4




Course Objectives

1. Demonstrate an understanding, usage and application of basic economic principles.
2. Describe and apply the methods for analyzing consumer behavior through demand and supply, elasticity and marginal utility. Understand the role of alternative property rights in resource allocation.

Course Outcomes

CO1	Define and explain the process of calculating national income, identify its components, demonstrate circular flow of income, analyses the various identities with government and international trade
CO2	Explain the meaning of consumption function, relationship between APC and MPC, consumption and income, concept of multiplier and accelerator, MEC and rate of interest.
CO3	Understand the classical and Neo-classical theories
CO4	Analyses different phases of trade cycles, demonstrate various phases of trade cycles, understand the impact of cyclical fluctuations on the growth of business, and lay policies to control trade cycles.
CO5	Explain economic growth and development, determinants of economic development and measurement of economic development

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Unit 1: (12 Hours)

Concept and measurement of national income; National income identities with government and international trade; incorporation of environmental concerns in national accounts — green accounting.

Unit 2: (14 Hours)

Say's law of markets and the classical theory of employment; Keynes' objection to the classical theory; Aggregate demand and aggregate supply functions; The principle of effective demand; Consumption function — Average and marginal propensity to consume; Factors influencing consumption spending; The investment multiplier and its effectiveness in LDCs; Theory of investment — Autonomous and induced investment; Marginal efficiency of capital; Savings and investment — ex post and ex ante, Equality and equilibrium.

Unit 3: (10 Hours)

Classical, Neo-classical and Keynesian theories of interest.

Unit 4: (12Hours)

Nature and characteristics; Hawtrey's monetary theory; Hayek's over-investment theory; Keynes' view on trade cycle; The concept of accelerator; Samuelson and Hicks multiplier-accelerator interaction model; **Control of trade cycles.**

Unit 5: (12 Hours)

Sources of growth; Growth models — Harrod and Domar; Instability of equilibrium; Neo-classical growth models — Solow; Economic growth and technical progress.

Text books:

1. Ackley, G. (1976), Macroeconomics: Theory and Policy, Macmillan Publishing Company, New York.
2. Shapiro, E. (1996), Macroeconomic Analysis, Galgotia Publications, New Delhi.

Reference books:

1. Day, A.C.L. (1960), Outline of Monetary Economics, Oxford University Press, Oxford.
2. Gupta, S.B. (1994), Monetary Economics, S. Chand and Co., Delhi.
3. Heijdra, B.J. and F.V. Ploeg (2001), Foundations of Modern Macroeconomics, Oxford University Press, Oxford.

Web Links

1. <http://www2.harpercollege.edu/mhealy/eco212i/macroweb.htm>
2. <http://nptel.ac.in/courses/109/104/109104073/>

CO-PO Mapping

(1: Slight [Low];
Correlation)

2: Moderate [Medium];

3: Substantial [High],

'-' : No

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	2	3	2	3	2	3	2	3			
CO2	3	3	3	3	2	3	2	3	2	3			
CO3	3	1	2	3	2	3	2	3	1	2			
CO4	3	2	3	2	3	2	3	2	3	2			
CO5	3	3	3	3	3	2	1	2	3	2			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM

I B.Sc. Econometrics, Semester-II,

Paper-2 - Macroeconomics

Time: 2 ½ hrs

Max marks: 50

I. Answer the following questions

3x10=30

1 (a) Explain The macroeconomics variables and scope of macro economics

(Or)

(b) What are the methods of measurement of national income?

2. (a) Explain the Keynesian theory of employment

(Or)

(b). What is marginal efficiency of capital? Explain the factors that influence the marginal Efficiency of capital.

3. (a) Explain the nature and characteristics of trade cycles and explain the Phases of trade cycles.

(Or)

(b) Explain Harrod and Domar theories of economic growth

II Answer any FOUR of the following questions

4X5=20

4. Components of National income

5. Say's law of markets

6. Aggregate demand

7. Investment function

8. Concept of accelerator

9. Multiplier

10. Solow model

11. Rowstow stages


GOVERNMENT COLLEGE (AUTONOMOUS): RAJAMAHENDRAVARAM

I B.Sc. Econometrics

Semester-II, Macro Economics Paper-2

BLUE PRINT

Module	Essay	Short questions
Module-1	2	1
Module-2	1	2
Module-3	1	1
Module-4	1	2
Module-5	1	2
TOTAL	60	40

	Government College (Autonomous) Rajahmundry	Program & Semester II B.Sc (MSEM) (III Sem)			
Course Code EMT 103	TITLE OF THE COURSE QUANTITATIVE TECHNIQUES				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4

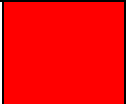


Course Objectives

1. The use of mathematical symbols to formalize ordinary language statements about economics
2. Apply mathematical and statistical techniques to problem solving. Plan and schedule work in an effective

Course Outcomes

CO1	Demonstrate understanding of and ability to explain the economic applications of differentiation, and use it to formulate economic problems, including elasticities, marginal cost, marginal revenue.
CO2	Find constrained optima using the Lagrange multiplier and substitution methods
CO3	Understand and use these techniques to solve problems in economics, such as profit maximization, cost minimization or utility optimization. Calculate and interpret statistical values by using statistical tools(Correlation and Regression).
CO4	Index numbers and time series to describe changes in Economic measures
CO5	Apply descriptive statistics to summarize data and explain basic concepts of probability theory

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Unit 1: (12 Hours)

Differentiation of a Function; Maxima and Minima, Elasticities; Inter-relationships among total, marginal and average cost and revenues; Constrained optimization problem; Integration of a function, producer's surplus.

**GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY
THIRD SEMESTER END EXAMINATIONS**

II B.SC. – ECONOMETRICS

PAPER - III

QUANTITATIVE TECHNIQUES

Time: 2 ½ Hrs.

Max. Marks: 50

SECTION – A

Answer the following questions

(3X10= 30M)

1. a) Explain equilibrium of a firm under perfect competition

(OR)

b) In a steel Plant the total revenue function **R** and Total cost function **C** are given by

$R = 40Q - 5Q^2$ and cost $C = 2Q^3 + 18Q^2 + 2Q + 60$. Then find (i) The output level at which profit

Is Maximum (ii) Maximum Profit

2. a) Define matrix and explain the different types of properties

(OR)

b) Solve the system of equations using Cramer's Rule

$$3x + 2y - z = 4$$

$$-x - y + 3z = 6$$

$$5x - 3y + z = 2$$

3. a) Solve the linear programming problem by using graphical method

Maximize $Z = 2x_1 + x_2$

Subject to $x_1 + x_2 \leq 6$

$$x_1 - x_2 \leq 2$$

$$x_1 - 2x_2 \leq 1$$

$$x_1, x_2 \geq 0$$

(OR)

b) Obtain the two lines of regression from the following data and estimate the blood pressure when age is 50 years

Age(in Years):	56	42	72	39	63	47	52	49	40	42	68	60
B.P	: 127	112	140	118	129	116	130	125	115	120	135	133

Section-B

Answer any Four(4) of following questions

(4X5= 20 M)

4. Time Reversal and Factor Reversal Test

5. Consumer Surplus

6. Components of Time Series Analysis

7. Properties of Binomial Distribution

8. Properties of Determinants

9. If Marginal Cost of a firm is given by $MC=3Q^2-4Q+5$ find total cost when fixed cost is Rs.100

10. If $X^3+Y^3=3aXY$ then find dy/dx

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

III SEMESTER – ECONOMETRICS (CBCS PATTERN)


Paper-III (Core Paper)

Time: 2 ½ Hrs

Max. Marks: 50 MARKS

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module- III	1	2	3
Module- IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester II B.Sc (MSEM) (IV Sem)			
Course Code EMT 104	TITLE OF THE COURSE MATHEMATICAL ECONOMICS				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4




Course Objectives

1. Build models by expressing words in symbols, numbers and equations. Know new techniques to solve complex problems
2. Measure the effect of change and discover techniques to improve your decision-making process.
3. Learnt economic dynamics and solve problems through adjustment with time

Course Outcomes

CO1	Understand the Quantitative methods of Economics
CO2	Graphical Explanation of Consumer Theory concepts
CO3	Mathematical Explanation of Production Functions
CO4	Explain Equilibrium in different Market Structures and analyse input output analysis and Linear programming
CO5	Understand the Input – output analysis and linear programming problem Graphical solutions.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Unit 1 : (12 Hours)

Variable, constants and parameters; Simple functional relationship and their graphs; Elementary ideas of differential and integral calculus; Quadratic equations; Difference and differential equations.

Unit 2 : (10 Hours)

Utility function; budget line; Constrained optimization; Consumer's equilibrium; Income effect; substitution effect and price effect; Slutsky equation; Derivation of demand curve; Elasticity of demand; Consumer's surplus.

Unit 3 : (12 Hours)

Properties of production function — Homogeneous and non-homogeneous; Cobb-Douglas, Returns to scale; Choice of optimal combination of factors of production; Cost and revenue functions; Derivation of cost curves; Relation between total, average and marginal cost and revenue; Producer's surplus; Production possibility curve.

Unit 4 : (12 Hours)

Concept of equilibrium; Equilibrium of the firm under perfect competition, monopoly, price discrimination, monopolistic competition; Economies of scale; Market equilibrium; Economic interpretation of time lag in function; Cobweb model.

Unit 5 : (14 Hours)

Input-output analysis; The simple closed and open model; Linkages, concepts and measurement; Dynamic input-output model; Linear programming — Basic concepts, primal and dual; Basic theorem of linear programming; Graphic and simplex method.

Text books:

1. Chiang, A.C. (1986), Fundamental Methods of Mathematical Economics (3rd Edition), McGraw Hill, New Delhi.
2. Henderson, J. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.

Reference books:

1. Colell, A. Mas et. al. (1991), Microeconomic Theory, Harvard University Press, Cambridge, Mass.
2. Mukherji, B. and V. Pandit (1982), Mathematical Method of Economic Analysis, Allied Publishers, New Delhi.
3. Handy, S.T. (1997), Operations Research, Prentice-Hall of India, New Delhi.

Web Links

1. <https://www.mdpi.com/books/pdfdownload/book/2350>
2. <http://www.parisschoolofeconomics.com/reshef-ariell/Econ509/Lectures509.pdf>

CO-PO Mapping

(1: Slight [Low];
Correlation)

2: Moderate [Medium];

3: Substantial [High],

'-' : No

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	2	3	3			
CO2	3	2	3	2	3	2	3	2	3	3			
CO3	3	3	3	3	2	3	2	3	2	3			
CO4	3	3	3	3	2	3	2	3	1	2			
CO5	2	3	2	3	2	3	2	2	1	3			

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

FOURTH SEMESTER END EXAMINATIONS

II B.SC. – ECONOMETRICS

PAPER - IV

MATHEMATICAL ECONOMICS

Time: 2 ½ Hrs

Max. Marks: 50

Section-A

Answer the following questions

(3X10= 30M)

1. a) Define matrix and explain the different types of properties

(or)

b) By producing and selling Q units of some commodity a firm earns total revenue $R(Q) = -0.0016Q^2 + 44Q$ and incurs cost $C(Q) = 0.0004Q^2 + 8Q + 64000$. Find production level Q Maximizes profits.

2. a) Explain the consumer equilibrium with the help of indifference curves

(or)

b) There are 10,000 identical individuals in the market for commodity X , each with a demand function given by $Q_{dX} = 12 - 2P_X$ and 1,000 identical producers of commodity X , each with a function given by $Q_{sX} = 20P_X$. Find 1) The market demand function and market supply function. 2) The market demand schedule and market supply schedule. 3) obtain equilibrium price and equilibrium quantity mathematically.

3. a) From the given Cobb-Douglas production function $X = b_0 L^{b_1} K^{b_2}$ derive i) Marginal product of Factors ii) The marginal rate substitution iii) The elasticity of substitution iv) The efficiency of production and v) The returns to scale

(or)

b) Explain the equilibrium of the firm under perfect competition.

Section-B

Answer any Four(4) of following questions

(4X5= 20 M)

4. Find the production level that maximizes profit $R(Q)=1840Q$ and $C(Q)= 2Q^2+4Q+5000$
5. Consumer Surplus
6. Returns to scale
7. Price discrimination under monopoly
8. Cobweb model
9. Primal and Dual
10. Cross Elasticity of Demand

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

IV SEMESTER – ECONOMETRICS (CBCS PATTERN)


**Paper-IV (Core Paper)
MATHEMATICAL ECONOMICS**

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester II B.Sc (MSEM) (IV Sem)			
Course Code EMT 105	TITLE OF THE COURSE ECONOMETRICS-I				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4




Course Objectives

1. Distinguish the results of violating the assumptions of classical regression model
2. Explain the problems that arise when the assumptions are not valid
3. Use appropriate tests to detect heteroscedasticity

Course Outcomes

CO1	Construct test and analyse Econometric models using variables and relationships commonly found in studies of Econometric theory
CO2	Collect organize and analyse Economic data and interpret result from statistically analyses
CO3	Identified the desirable properties of estimators
CO4	Identified key classical assumptions in the field of Econometrics. Express consequences of using OLS in the presence of autocorrelation
CO5	Apply remedial measures to correct autocorrelation

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Unit – 1 Statistical Methods for Econometrics: (12 Hours)

Statistical vs. deterministic relationships; Correlation and regression; Theoretical frequency distribution and application of Binomial, Poisson and Normal; Testing of hypothesis; Type-I and Type-II errors; Standard errors, Tests based on Z, t and χ^2 (Chi-square) statistics.

Unit – II Two Variable Regression Model: (12 Hours)

Concept of Regression – Causation – Correlation; Nature, meaning and scope of econometrics; Specification of an econometric model-Reasons for inclusion of Stochastic term – Assumptions; Two Variable Linear Regression Model - OLS Method of estimation - Principle of Least Squares – Properties of estimators (BLUE) - Gauss-Markov theorem; Significance tests of parameter estimates – ANOVA Concept and application - Goodness of fit.

Unit – III Multiple Regression Analysis: (12 Hours)

Three Variable Linear Regression Model – Estimation and Tests of significance; Concept and derivation of coefficient of multiple determination and adjusted coefficient of multiple determination; ANOVA application; Test of overall significance of the regression – F test; Partial correlation coefficients and multiple correlation coefficient. General linear regression model – Matrix Approach.

Unit – IV Non-linear Regression and Violation of Assumptions of OLS Model :(12 Hours)

Estimation of non-linear equations — parabolic, exponential, geometric, hyperbolic, modified exponential; Gomertz and logistic functions; Meaning of Homoscedasticity and Heteroskedasticity - detection of Heteroskedasticity – consequences of Heteroskedasticity – Solution to the problem.

Unit – V Violation of Assumptions of the Model :(12 Hours)

Meaning of Autocorrelation and Multicollinearity - detection of Autocorrelation – consequences of Heteroskedasticity – Solution to the problem.

Text books:

1. Gujarati, D.N. (1995), Basic Econometrics (2nd Edition), McGraw Hill, New Delhi.
2. Maddala, G.S. (Ed.) (1993), Econometrics Methods and Application (2 Vols.), Aldershot U.K.

Reference books:

1. Amemiya, T. (1985), Advanced Econometrics, Harvard University Press, Cambridge, Mass.
2. Baltagi, B.H. (1998), Econometrics, Springer, New York.
3. Goldberger, A.S. (1998), Introductory Econometrics, Harvard University Press, Cambridge, Mass.

Web Links

1. <http://www.studyingeconomics.ac.uk/module-options/econometrics/>
2. <https://cran.r-project.org/doc/contrib/Farnsworth-EconometricsInR.pdf>

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY.

FOURTH SEMESTER END EXAMINATIONS

III B.SC. – ECONOMETRICS

PAPER - V

ECONOMETRICS-I

Time: 2 ½ Hrs

Max. Marks: 50

Section-A

Answer the following questions

(3X10= 30M)

1. a) Explain the nature and scope of Econometrics

(or)

b) Explain the Gauss-Markov theorem

2. a) What is the nature and reasons for multicollinearity

(or)

b) Explain the linear probability model (LPM)

3. a) . Explain the Almon approach to distributed lag model

(or)

b) What are the different approaches to econometric forecasting

Section-B

Answer any Four(4) of following questions

(4X5= 20 M)

4. Properties of estimators
5. Autocorrelation
6. Dummy variables techniques
7. Structural stability
8. Heteroscedasticity
9. Random walk model
10. Reasons for lags
11. Unit roots

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY
Paper-V (Core Paper)
Econometrics


FOURTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.Sc (MSEM) (VSem)			
Course Code EMT 105	TITLE OF THE COURSE ECONOMETRICS-I				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4

Course Objectives

1. Distinguish the results of violating the assumptions of classical regression model
2. Explain the problems that arise when the assumptions are not valid
3. Use appropriate tests to detect heteroscedasticity

Course Outcomes

CO1	Construct test and analyse Econometric models using variables and relationships commonly found in studies of Econometric theory
CO2	Collect organize and analyse Economic data and interpret result from statistically analyses
CO3	Identified the desirable properties of estimators
CO4	Identified key classical assumptions in the field of Econometrics. Express consequences of using OLS in the presence of autocorrelation
CO5	Apply remedial measures to correct autocorrelation

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Unit – 1 Statistical Methods for Econometrics: (12 Hours)

Statistical vs. deterministic relationships; Correlation and regression; Theoretical frequency distribution and application of Binomial, Poisson and Normal; Testing of hypothesis; Type-I and Type-II errors; Standard errors, Tests based on Z, t and χ^2 (Chi-square) statistics.

Unit – II Two Variable Regression Model: (12 Hours)

Concept of Regression – Causation – Correlation; Nature, meaning and scope of econometrics; Specification of an econometric model-Reasons for inclusion of Stochastic term – Assumptions; Two Variable Linear Regression Model - OLS Method of estimation - Principle of Least Squares – Properties of estimators (BLUE) - Gauss-Markov theorem; Significance tests of parameter estimates – ANOVA Concept and application - Goodness of fit.

Unit – III Multiple Regression Analysis: (12 Hours)

Three Variable Linear Regression Model – Estimation and Tests of significance; Concept and derivation of coefficient of multiple determination and adjusted coefficient of multiple determination; ANOVA application; Test of overall significance of the regression – F test; Partial correlation coefficients and multiple correlation coefficient. General linear regression model – Matrix Approach.

Unit – IV Non-linear Regression and Violation of Assumptions of OLS Model :(12 Hours)

Estimation of non-linear equations — parabolic, exponential, geometric, hyperbolic, modified exponential; Gomertz and logistic functions; Meaning of Homoscedasticity and Heteroskedasticity - detection of Heteroskedasticity – consequences of Heteroskedasticity – Solution to the problem.

Unit – V Violation of Assumptions of the Model :(12 Hours)

Meaning of Autocorrelation and Multicollinearity - detection of Autocorrelation – consequences of Heteroskedasticity – Solution to the problem.

Text books:

1. Gujarati, D.N. (1995), Basic Econometrics (2nd Edition), McGraw Hill, New Delhi.
2. Maddala, G.S. (Ed.) (1993), Econometrics Methods and Application (2 Vols.), Aldershot U.K.

Reference books:

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2. Baltagi, B.H. (1998), Econometrics, Springer, New York.
3. Goldberger, A.S. (1998), Introductory Econometrics, Harvard University Press, Cambridge, Mass.

Web Links

1. <http://www.studyingeconomics.ac.uk/module-options/econometrics/>
2. <https://cran.r-project.org/doc/contrib/Farnsworth-EconometricsInR.pdf>

CO-PO Mapping

(1: Slight [Low];
Correlation)

2: Moderate [Medium];

3: Substantial [High],

'-' : No

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	2	3	3			
CO2	1	3	2	3	2	3	2	3	2	3			
CO3	3	3	3	3	3	3	3	3	2	3			
CO4	3	2	3	2	3	2	3	2	3	2			
CO5	3	2	3	2	3	2	3	2	3	3			

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

FIFTH SEMESTER END EXAMINATIONS

III B.SC. – ECONOMETRICS

PAPER - V

ECONOMETRICS-I

Time: 2 ½ Hrs

Max. Marks: 50

Section-A

Answer the following questions

(3X10= 30M)

1. a) Explain the nature and scope of Econometrics

(or)

b) Explain the Gauss-Markov theorem

2. a) What is the nature and reasons for multicollinearity

(or)

b) Explain the linear probability model (LPM)

3. a) . Explain the Almon approach to distributed lag model

(or)

b) What are the different approaches to econometric forecasting

Section-B

Answer any Four(4) of following questions

(4X5= 20 M)

4. Properties of estimators
5. Autocorrelation
6. Dummy variables techniques
7. Structural stability
8. Heteroscedasticity
9. Random walk model
10. Reasons for lags
11. Unit roots


GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY
Paper-V (Core Paper)
Econometrics
FIFTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.Sc (MSEM) (VSem)			
Course Code EMT 106	TITLE OF THE COURSE ECONOMETRIC METHODS				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4

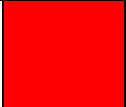
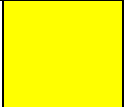

Course Objectives

1. Distinguish the results of violating the assumptions of classical regression model
2. Explain the problems that arise when the assumptions are not valid
3. Use appropriate tests to detect heteroscedasticity

Course Outcomes

CO1	Demonstrate a comprehensive knowledge and advanced understanding of econometrics
CO2	Understand and appreciate the challenges of empirical modelling in economics
CO3	Learn how to conduct empirical studies as well as how to analyze and interpret results.
CO4	Formulate and estimate correlation and their consequences.
CO5	Apply remedial measures to correct autocorrelation

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module 1 : Introduction

Definition and scope of econometrics; The methodology of econometric research; Specification and estimation of an econometric model; Basic concepts of estimation; Desirable properties of estimators; Unbiasedness, efficiency, consistency and sufficiency.

Module 2 : Simple Regression Analysis and Theoretical Distribution

Statistical vs. deterministic relationships; Correlation and regression; Coefficient of determination; Estimation of an equation; Theoretical frequency distribution and application of binomial, poisson and normal; Testing of hypothesis; Type-I and Type-II errors; Standard errors, Tests based on Z, t and χ^2 (Chi-square) statistics.

Module 3 : Estimation Theory

Ordinary least squares (OLS) method — Assumptions; Gauss-Markov Theorem; Testing of regression coefficient; Test for regression as a whole, Coefficient of determination, F-test.

Module 4 : Problems in OLS Estimation

Problems of heteroscedasticity; Auto correlation (first order); Multicollinearity — their consequences, tests and remedies.

Module 5 : Lag Models and Summary Variables

Lags in econometric models — Concepts, Koyck model; Partial adjustment and adaptive expectation models; Summary variables; qualitative data; Seasonal analysis; Use of dummy variables for pooled data; Proxy variable — Concept and uses.

Text books:

1. Greene, W. (1997), Econometric Analysis, Prentice Hall. New York.
2. Maddala, G.S. (Ed.) (1993), Econometrics Methods and Application (2 Vols.), Aldershot U.K.

Reference books:

1. Amemiya, T. (1985), Advanced Econometrics, Harvard University Press, Cambridge, Mass.
2. Baltagi, B.H. (1998), Econometrics, Springer, New York.
3. Goldberger, A.S. (1998), Introductory Econometrics, Harvard University Press, Cambridge, Mass.

Web Links

3. <http://www.studyingeconomics.ac.uk/module-options/econometrics/>
4. <https://cran.r-project.org/doc/contrib/Farnsworth-EconometricsInR.pdf>

CO-PO Mapping

(1: Slight [Low];
Correlation)

2: Moderate [Medium];

3: Substantial [High],

'-' : No

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	2	3	3			
CO2	1	3	2	3	2	3	2	3	2	3			
CO3	3	3	3	3	3	3	3	3	2	3			
CO4	3	2	3	2	3	2	3	2	3	2			
CO5	3	2	3	2	3	2	3	2	3	3			

**GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY
FIFTH SEMESTER END EXAMINATIONS**

III B.SC. – ECONOMETRICS

PAPER - VI

ECONOMETRIC METHODS

Time: 2 ½ Hrs

Max. Marks: 50

Answer the following questions

3X10 = 30

1. a) Explain the nature and scope of Econometrics
Or
b) Explain the methodology of econometric research
2. a) Distinguish between statistical and deterministic relationship
Or
b) Explain the assumptions of ordinary least squares (OLS)
3. a) What are the proxy variables and explain concept and uses
Or
b) What are the reasons for lag

II . Answer any Four (4) of the following questions

4X5 = 20

4. Unbiasedness
5. Consistency
6. Type I and Type II errors
7. Binomial distribution
8. Coefficient of determination
9. F-test


GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY
Paper-VI (Core Paper)
ECONOMETRICS METHODS
FIFTH SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.Sc (MSEM) (VISem)			
Course Code EMT 107	TITLE OF THE COURSE COMPUTER AND ITS APPLICATIONS				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4

Course Objectives

1. Operate a variety of advanced spreadsheet operating system and word processing functions,
2. Solve a range of problems using office productivity applications and adapt quickly to new software releases.
3. Maintain quality assurance through critically evaluating procedures and results.

Course Outcomes

CO1	Bridge the fundamental concepts of computers with the present level of knowledge of the students.
CO2	Office automation is the use of various technologies (e.g. computer & telecommunication) to simplify & support routine office functions , improve communication, increase office productivity & enhance the quality of clerical output.
CO3	Trend analysis uses a variety of statistical tools, all of which are accessible to business owners. At the most basic level, you can plot data points for visual ...
CO4	Demonstrate employability skills and a commitment to professionalism. Operate a variety of advanced spreadsheet, operating system and word processing functions. Solve a range of problems using office productivity applications, and adapt quickly to new software releases.
CO5	PSS is an acronym for “Statistical Package for Social Science” and is a Windows-based program that is used to perform different tasks like, data entry, analysis and further presentation of results through tables and graphs

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module 1: Basics of Computers

hours: 12

Computer fundamentals; Organization and components of a computer; Computer hardware CPU; Memory; Disk drives; Input and output devices; Keyboard; Mouse and VDU; Computer peripherals like printer, scanner, digitizer, etc.; Computer software — Operating system, application software and packages.

Module 2: Use of Computer for Office Automation

hours: 12

Text editors and word processor software packages; Operative familiarization with any one package like MS-word; Concept and use of spread sheet; Operation and use of MS-excel; Basics of Database; Table; Records and fields; Data entry and query processing; Operative principles of MS-access; Document formation and presentation through MS-power point.

Module 3: Data Analysis and Trend Forecasting

hours: 12

Basics of statistical functions and analysis — Mean, median, mode, standard deviation; Distribution function and density function; Statistical package handling and command description for SPSS; Regression and auto-regression; Correlation and auto-correlation; Covariance and Auto covariance.

Module 4: Applications

hours: 12

Text and mail communication using computers; E-mail; Chat; Voice mail; Document transfer and delivery; Internet; World Wide Web (WWW) and use for business and commercial activities like e-business and e-commerce; Electronic stock market and exchanges; B2B and B2C Concepts.

Module V: Introduction to SPSS

hours: 12

Creation of data files, assigning names and labels to variables, sort cases, import/export of files, Computing variable, Data Analysis: Descriptive statistics, Comparing means, Simple Correlation analysis, ANOVA, Simple Regression Analysis, Preparation of graphs and diagrams

Text books:

1. Greene Kerns (1993), Essentials of Microsoft windows, Word and Excell, Prentice Hall of India, New Delhi.
2. Rajaraman, V. (1996), Fundamentals of Computers, Prentice Hall (Ind.) New Delhi.

Reference books:

1. Schied, F. (1983), Theory and Problems of Computers and Programming, Schaum's
2. Outline Series, McGraw Hill, New Delhi.

Web Links

1. https://en.wikipedia.org/wiki/Web_application
2. <https://cran.r-project.org/doc/contrib/Farnsworth-EconometricsInR.pdf>

CO-PO Mapping

(1: Slight [Low];
Correlation)

2: Moderate [Medium];

3: Substantial [High],

'-' : No

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	2	3	3			
CO2	1	3	2	3	2	3	2	3	2	3			
CO3	3	3	3	3	3	3	3	3	2	3			
CO4	3	2	3	2	3	2	3	2	3	2			
CO5	3	2	3	2	3	2	3	2	3	3			

GOVERNMENT COLLEGE (A) RAJAHMUNDRY
B.SC ECONOMETRICS
Semester-VI (Paper –VII (A)
(Optional-1)
Computer and Its Applications -Paper –VII (A)

TIME: 2 ½ HRS

MAX MARKS: 50

Answer the following the questions

3x10=30

- 1.(a) (or)
(b)
2.(a) (or)
(b)
3. (a) (or)
(b)

Answer any four of the following

4x5=20

4.
5.
6.
7.
8.
9.
10


GOVERNMENT COLLEGE (A) R RAJAHMUNDRY
B.SC ECONOMETRICS
Semester-VI (Paper –VII(A))
(Optional-1)
Computer and Its Applications -Paper –VII(A)

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.Sc (MSEM) (VISem)			
Course Code EMT 109	TITLE OF THE COURSE ECONOMICS OF INSURANCE				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4




Course Objectives

1. Provide safety and security: Insurance provide financial support and reduce uncertainties in business and human life. .
2. Generates financial resources Promotes economic growth

Course Outcomes

CO1	These elements of a risk management program are flexible. They have to be, because strategies, organizational structures, operating philosophies and risk profiles vary in complexity across industries and firms.
CO2	Risk assessment spans the entire organization, including critical business units and functional areas. Effectively applied using business strategy as a context, risk assessment considers attributes
CO3	Maximum Coverage at Affordable Rates, Quick and Cashless Claim Settlement. Get Quote Now. Religare Health Insurance is Now Care Health Insurance. Visit Now to Check the Benefits. Annual Health Check-Up. Ambulance Expenses Cover. No Claim Bonus
CO4	Demonstrate employability skills and a commitment to professionalism. Operate a variety of advanced spreadsheet, operating system and word processing functions. Solve a range of problems using office productivity applications, and adapt quickly to new software releases.
CO5	To understand the conditions and principles of Insurance. • The role of consumer courts and Insurance ombudsman.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module 1: Element of Risk and Risk Management

Hours: 12

Fundamental of Risk and Uncertainty – Classification of Risk – Risk Pooling and Risk Transfer - Concept of Risk Management – Essentials and Elements of Risk Management – Risk Assessment and Risk Control.

Module 2: Risk and Insurance

Hours: 12

Definition of Insurance – Role and Functions of Insurance – General and Specific Principles of Insurance Contract – Insurance and Economic Development – Insurance as Financial Intermediaries and Investment Institutions – Classification of Insurance - The Concept of Re- insurance.

Module 3: Life and Health Insurance

Hours: 12

Fundamental Principles of Life and Health Insurances – Functions of Life and Health Insurances

– Plans of Life and Health Insurance – The Process of Underwriting Life and Health Insurance- Group Insurance

Module 4: General and Other Types of Insurance

Hours: 12

Definition of General Insurance – Marine, Motor Vehicular, Fire and other types of Insurances – Physical and Moral Hazards in General Insurance – The General Insurance Corporation (GIC Re) and General Insurance Companies, NOUN – Growth of General Insurance business in India.

Module 5: Regulation of Insurance

Hours: 12

Organization and Growth of LIC - Monopoly of LIC - Need for Insurance Regulation in India - Functions and Duties of Insurance Regulation and Development Authority (IRDA) of India — Entry of Private and Foreign Insurance Companies – Implications – Prospects of Insurance Companies.

Text books:

1. Misra, M. N. and V. K. Puri, (2008), Insurance Principles and Practice, New Delhi: S. Chand.
2. Periasamy, P. (2007), Principles and Practice of Insurance, Mumbai: Himalaya Publishing House.

Reference books:

1. Palande, P. S., Shah, R. S. and Lunawal, M. L. (1983), Insurance in India, Changing Policies and Emerging Opportunities, New Delhi: Response Books, A Division of Sage Publications.
2. Hedad, G. L. AND Horn I. I. (1991), Essentials of Risk Management, Vol. I Insurance Institute of America.

Web Links

1. <https://link.springer.com/book/10.1007/978-3-642-20548-4>
2. <https://www.iii.org/sites/default/files/docs/pdf/insurance-driver-econ-growth-053018.pdf>

CO-PO Mapping

(1: Slight [Low];
Correlation)

2: Moderate [Medium];

3: Substantial [High],

'-' : No

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	2	3	3			
CO2	1	3	2	3	2	3	2	3	2	3			
CO3	3	3	3	3	3	3	3	3	2	3			
CO4	3	2	3	2	3	2	3	2	3	2			
CO5	3	2	3	2	3	2	3	2	3	3			

GOVERNMENT COLLEGE (A) RAJAHMUNDRY

B.Sc ECONOMETRICS

SEMESTER-VI

PAPER –VIII ECONOMICS OF INSURANCE

Time 2 ½ hours

Max Marks: 50

I . Answer the following questions

3X10 = 30

1. a) What is risk management and explain risk management strategies.

OR

b) What is risk? Explain different types of risks.

2. a) Define insurance and explain functions of insurance

OR

b) Explain general and specific principles of insurance

3. a) What is fire insurance and explain types of fire insurance policies

OR

b) Explain duties and functions of IRDA

II . Answer any FOUR of the following questions

4X5 = 20

4. Insurance & Economic development

5. Risk Transfer

6. Group Insurance

7. Physical and Moral hazards in general insurance

8. The process of underwriting life insurance

9. The mission of IRDA

GOVERNMENT COLLEGE (A) RAJAHMUNDRY

B.SC ECONOMETRICS

Semester-VI (Optional-1)


Economics of Insurance -Paper –VIII(A)

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.Sc (MSEM) (VISem)			
Course Code EMT 110	TITLE OF THE COURSE ADVANCED ECONOMETRICS				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4

Course Objectives

1. This course will present an advanced treatment of econometric principles for cross-sectional, panel and time - series data sets.
2. While concentrating on linear models, some non-linear cases will also be discussed, notably limited dependent variable models and generalised methods of moments.

Course Outcomes

CO1	The course on econometrics will primarily focus on the use of statistical modelling and the relevant analyses to economic data problems.
CO2	Describe the variance/covariance matrix for the regression errors under the assumption that the errors are correlated
CO3	This unit covers the basic tools for estimating models with such data, known as limited dependent variables .
CO4	Demonstrate employability skills and a commitment to professionalism. Operate a variety of advanced spreadsheet, operating system and word processing functions. Solve a range of problems using office productivity applications, and adapt quickly to new software releases.
CO5	Regression is perhaps the most widely used statistical technique. It estimates relationships between independent variables (predictors) and a dependent variable (outcome).

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module 1: Multicollinearity and Heteroscedasticity Hours: 12

Multicollinearity: Source and Consequences, Tests for Multicollinearity and solutions for Multicollinearity. Heteroscedasticity: Sources and Consequences, Tests for Heteroscedasticity, Generalized Least Squares Method of Estimation.

Module 2: Autocorrelation Hours: 12

Sources of Autocorrelation - first order Autoregressive scheme - Consequences of Autocorrelation - Tests for Autocorrelation – Durbin-Watson test - Methods of estimation of Autocorrelation coefficient -Estimation from d- statistic and Cochran-Orcutt iterative method.

Module 3: Qualitative and Limited Dependent Variables Models Hours: 12

Binary Choice Models: Linear Probability Model, Probit Model and Logit Models – Censored and Truncated regression models.

Module 4: Simultaneous Equation Models: Estimation Methods Hours:12

Two stage Least Squares, Limited Information Maximum Likelihood, K-class Estimators,
Three Stage Least Squares and Full Information Maximum Likelihood Methods – Numerical Problems.

Module 5: Panel Data Regression Models and Time Series Econometrics Hours: 12

Panel Data – Estimation of Panel Data Regression Models - Fixed and Random Effects – Estimation – Introduction to Time Series Econometrics - Stationary and Non-Stationary Stochastic Process – Integrated Stochastic Process – Module roots – Co-integration – Test for co- integration, Co-integration and error correction mechanism.

Text books:

1. Maddala, G.S: Econometrics, McGraw-Hill Book Co., New York, 3rd Rd.
2. Gujarathi, D.N: Basic Econometrics, Fourth Edition, New Delhi.

Reference books:

1. Maddala, G.S: Limited-Dependent and Qualitative Variables in Econometrics, Cambridge University Press.
2. Hedad, G. L. AND Horn I. I. (1991), Essentials of Risk Management, Vol. I Insurance Institute of America.

Web Links

3. <https://link.springer.com/book/10.1007/978-3-642-20548-4>
4. <https://www.iii.org/sites/default/files/docs/pdf/insurance-driver-econ-growth-053018.pdf>

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	2	3	2	3	2	2	3	3			
CO2	1	3	2	3	2	3	2	3	2	3			
CO3	3	3	3	3	3	3	3	3	2	3			
CO4	3	2	3	2	3	2	3	2	3	2			
CO5	3	2	3	2	3	2	3	2	2	2			

GOVERNMENT COLLEGE (A) RAJAHMUNDRY

B.Sc ECONOMETRICS

SEMESTER-VI

PAPER –IX ADVANCED ECONOMETRICS

Time: 2 ½ hours

Max Marks: 50

I . Answer the following questions

3X10 = 30

1. a) What is the nature and reasons for multicollinearity

OR

b) Explain the linear probability model (LPM)

2. a) Explain the logit model

OR

b) Explain the nature and reasons for heteroscedasticity

3. a) Explain the test for Co-integration

OR

b) Explain two stage least squares and limited information maximum likelihood method

II . Answer any four of the following questions

4X5 = 20

4. Properties of estimators

5. Test for heteroscedasticity

6. Durbin -Watson test

7. k-class estimators

8. Truncated regression models

9. Integrated Stochastic Process

10. Random effect

GOVERNMENT COLLEGE (A) RAJAHMUNDRY
B.SC ECONOMETRICS

Semester-VI
Advanced Econometrics -Paper – IX (A)
(Cluster – 1, paper-2)

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT


Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

GOVERNMENT COLLEGE(AUTONOMOUS) RAJAHMUNDRY

Proposed Syllabus – Econometrics Semester-VI Paper –X (B)

(Cluster – 2, paper-3)

PROJECT

	Government College (Autonomous) Rajahmundry	Program & Semester III B.Sc (MSEM) (VISem)			
Course Code EMT 108	TITLE OF THE COURSE ADVANCED OPTIMIZATION METHODS				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4




Course Objectives

1. Learn classical optimization techniques and numerical methods of optimization. Know the basics of different evolutionary algorithms.
2. Explain Integer programming techniques and apply different optimization techniques to solve various models arising from engineering areas.

Course Outcomes

CO1	The course on econometrics will primarily focus on the use of statistical modelling and the relevant analyses to economic data problems.
CO2	Describe the variance/covariance matrix for the regression errors under the assumption that the errors are correlated
CO3	This unit covers the basic tools for estimating models with such data, known as limited dependent variables .
CO4	Demonstrate employability skills and a commitment to professionalism. Operate a variety of advanced spreadsheet, operating system and word processing functions. Solve a range of problems using office productivity applications, and adapt quickly to new software releases.
CO5	Regression is perhaps the most widely used statistical technique. It estimates relationships between independent variables (predictors) and a dependent variable (outcome).

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module 1: Hours: 12

Sequencing Problems: Introduction, sequencing problem, terminology, notation and assumption, problems with n jobs and two machines, optimal sequence algorithm, problems with n jobs and three machines, problems with n jobs and m machines.

Module 2: Hours: 12

Network scheduling by PERT/CPM, basic concepts, activities, notes, network, critical path, constraints and networks, construction of the network, time calculations and networks, critical path calculations, critical path method.

Module 3: Hours: 12

Introduction, two person zero sum games, the maximin minimax principles, games without saddle points, mixed strategies, graphical solution of 2 x N and M x 2 Games. Dominance property, the modified dominance property, reducing game property to LPP.

Module 4: Hours: 12

Queuing theory – Basic characteristics of queuing models – Arrival and service distribution – steady state solution of M/M/1 and M/M/C models with associated distribution of queue length and waiting time

Module 5: Hours:12

Simulation – Introduction, elements of simulation model, event type simulation, generation of random phenomena, Monte Carlo technique, generation of uniform (0, 1) random observations.

Text books:

1. Operations Research, S. Kalavathi, Vikas publishing house Pvt Ltd.
2. Hamdy A. Taha (1987): Operations Research – An Introduction, 4/e, Prentice Hall of India, Private Ltd, New Delhi.

Reference books:

1. Hillier F S and Libermann G J (2002): Introduction to Operations Research, 7th Edition, McGraw Hill
2. Gross D, Shortle J.F. , Thompson J.M. and Harris C.M. (2011): Fundamentals of Queuing Theory, John Wiley & Sons

Web Links

1. <https://link.springer.com/book/10.1007/978-3-642-20548-4>
2. <https://www.iii.org/sites/default/files/docs/pdf/insurance-driver-econ-growth-053018.pdf>

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	2	3	2	3	2	2	3	3			
CO2	1	3	2	3	2	3	2	3	2	3			
CO3	3	3	3	3	3	3	3	3	2	3			
CO4	3	2	3	2	3	2	3	2	3	2			
CO5	3	2	3	2	3	2	3	2	2	2			

GOVERNMENT COLLEGE (A) RAJAHMUNDRY

B.Sc ECONOMETRICS

SEMESTER-VI

PAPER – VII ADVANCED OPTIMIZATION METHODS

Time: 2 ½ hours

Max Marks: 50

I . Answer the following questions

3X10 = 30

1 a) Define sequences and explain processing of n Jobs through two machines.

OR

b) There are seven jobs, Each of which has to go through the machines A & B In the order AB.

Processing time in hours are gives as

Job	1	2	3	4	5	6	7
Machine A: (Hours)	3	12	15	6	10	11	9
Machine B: (Hours)	8	10	10	6	12	1	3

Determine a sequence of these jobs that will minimize total elapsed time t. Also find T and idle time for machine A and B

2. a) Explain project and also explain different phases of project management.

OR

b) A project schedule has the following characteristics

Activity	1-2	1-3	2-4	3-4	3-5	4-9	5-6	5-7	6-8	7-8	8-10	9-10
Time	4	1	1	1	6	5	4	8	1	2	5	7

i)construct the network ii)Compute E And L for each event

iii)Find The Critical Path

3. a) Define game and explain characteristics of games.

OR

b) Find the optimum strategies for P and Q and the value of the game.

colour chosen by Q

	W	B	R	
Colour Chosen By P	W	0	-2	7
	B	2	5	6
	R	3	-3	8

II . Answer any FOUR of the following questions

4X5 = 20

4. Shortest Processing Time (SPT) rule.
5. Explain PERT and CPM
6. Processing of n jobs through one machine
7. Operating characteristics of queuing system.
8. Explain different types of games
9. Explain pure strategy and mixed strategy
10. System simulation


GOVERNMENT COLLEGE (A) RAJAHMUNDRY
B.SC ECONOMETRICS
Semester-VI (Optional-2)
Advanced Optimization Methods
Paper – VII (B)

Time: 2 ½ Hrs

Max. Marks: 50

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Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.Sc (MSEM) (VISem)			
Course Code EMT 112	TITLE OF THE COURSE APPLIED ECONOMETRICS				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4

Course Objectives

1. The course provides necessary skills and techniques that will be used in further study of econometrics and economics more generally.
2. The primary objective of the course is to provide a solid theoretical and practical foundation for the interpretation of empirical evidence in economics.

Course Outcomes

CO1	To familiarize the students with the basic concept of microeconomics. To make student understand the demand and supply analysis in business applications
CO2	Learn how the different decision-making units (consumers, firms), with limited resources at their disposal, will chose the best alternative among the available alternatives
CO3	Realize the operation of the markets, the distinction between real world market and the concept of market in economics.
CO4	Apply the principle of Macroeconomics in explaining the behaviour of Macroeconomic variables at national as well as global level.
CO5	Extend the concepts of Macroeconomics in unfolding the dynamics of energy sectors.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module 1: Demand Analysis

Hours: 12

Demand functions – Restrictions to be satisfied by Demand functions - Single Equation models, Engel Functions and Curves, Specification of Functional forms and Estimation – Linear Expenditure System - Review of Empirical Studies.

Module 2: Consumption Function

Hours: 12

Theories of Consumption Function – Alternative specifications – Absolute Income Hypothesis, Relative Income Hypothesis, Life Cycle Hypothesis, Permanent Income Hypothesis – Problems of Estimating the Consumption Function – Review of some empirical studies.

Module 3: Production Functions Hours: 12

Single Equation Estimation of production functions - Cobb-Douglas, CES, Trans-log – Specifications and Estimation issues – Review of Empirical studies – Functional forms and Estimation of Cost Functions - Estimation of Factor demand Equations - Empirical Studies.

Module 4: Macro Econometric Models Hours: 12

Nature of Simultaneous Macro Econometric Models – Klein-Goldberger Model for USA - Brookings Model – Macro Econometric models for India – Agarwal, K. Krishna Murthy and N.V. A. Narasimhan Models.

Module 5: Other Applications of Single and Simultaneous Equation Models Hours: 12

Models of Money Demand and Supply – Estimation of Demand for Money Function – Application in Industrial Organization, Labour Economics and Health Systems – Review of Empirical Studies.

Text books:

1. Intriligator, M. D. (1978) Econometric Models, Techniques and Applications, North-Holland.
2. ICSSR Survey of Economics – Vol.7 (Econometrics) Allied Publishers

Reference books:

1. Deaton A. and John Muellbauer, Economics and Consumer Behaviour –Cambridge University Press, 1987
2. Meghnad J.Desai 1973 – Macro-economic models for India: A Survey – Sankhya series-B 85

Web Links

1. <https://onlinelibrary.wiley.com/journal/10991255>
2. <https://www.mdpi.com/books/pdfdownload/book/1291>

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	2	3	2	3	2	2	3	3			
CO2	1	3	2	3	2	3	2	3	2	3			
CO3	3	3	3	3	3	3	3	3	2	3			
CO4	2	3	3	3	3	2	3	3	3	3			
CO5	3	2	3	2	3	2	3	2	3	2			

GOVERNMENT COLLEGE (A) RAJAHMUNDRY
B.SC ECONOMETRICS

Semester-VI
Applied Econometrics Paper – VIII (B)
(Cluster – 2, paper-1)

TIME: 2 ½ HRS

MAX MARKS:50

I. Answer the following the questions

3x10=30

1.(a) (or)

(b)

2.(a)

(or)

(b)

3. (a)

(or)

(b)

II . Answer any FOUR of the following

4x5=20

4.

5.

6.

7.

8.

9.

10.

GOVERNMENT COLLEGE (A) RAJAHMUNDRY
B.SC ECONOMETRICS

Semester-VI


Applied Econometrics Paper – VIII (B)
(Cluster – 2, paper-1)

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

	Government College (Autonomous) Rajahmundry	Program & Semester III B.Sc (MSEM) (VISem)			
Course Code EMT 113	TITLE OF THE COURSE ECONOMETRIC TOOLS IN BUSINESS				
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	1	0	4




Course Objectives

1. Understand the assumptions upon which different econometric methods are based and their implications.
2. Use statistical software to implement the various techniques taught employing secondary data and demonstrate ability to analyse and assess empirical results.

Course Outcomes

CO1	To familiarize the students with the basic concept of microeconomics. To make student understand the demand and supply analysis in business applications
CO2	Learn how the different decision-making units (consumers, firms), with limited resources at their disposal, will chose the best alternative among the available alternatives
CO3	Realize the operation of the markets, the distinction between real world market and the concept of market in economics.
CO4	Apply the principle of Macroeconomics in explaining the behaviour of Macroeconomic variables at national as well as global level.
CO5	Extend the concepts of Macroeconomics in unfolding the dynamics of energy sectors.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Module 1: Basic concepts Introduction:

Hours: 12

Stationary Stochastic Process – Non-stationary Stochastic Process; Module root Stochastic Process, Integrated Stochastic Process, tests of Stationarity.

Module 2: Co-integration Integrated Variables:

Hours: 12

Module root tests - Dickey-Fuller tests; Co-integration and error correction mechanism – Engle– Granger, Johansen and Juselius Co-integration tests – ARDL Co-integration Tests.

Module 3: Forecasting Nature and uses of Forecasts:

Hours: 12

Forecasting with a single-equation linear regression model - Forecasting with a multi-equation econometric model - Evaluation of the forecasting power of a model – Conditional and Unconditional Forecasting – Single and Double exponential smoothing – Box-Jenkins Model. - 15

Module 4: Linear Time Series Models Univariate Time Series Models:

Hours: 12

Moving Average Models - Auto Regressive Models - Mixed Auto Regressive Moving Average Models – ARIMA models.

Module 5: Vector Auto-regressions:

Hours: 12

Estimation and Forecasting with VAR, VAR and Causality, Some problems with VAR Modeling,

ext books:

1. Gujarathi, D.N, Basic Econometrics, Fourth Edition, Tata McGraw Hill, New Delhi, 2004.
2. Koutsoyiannis, A, Theory of Econometrics, the Macmillan Press Ltd., Hong Kong, Second

Reference books:

1. Deaton A. and John Muellbauer, Economics and Consumer Behaviour –Cambridge University Press, 1987
2. Hamilton, J.D, Time Series Analysis, Princeton, N.J., Princeton University Press, 1994

Web Links

1. <https://onlinelibrary.wiley.com/journal/10991255>
2. <https://www.mdpi.com/books/pdfdownload/book/1291>

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	2	3	2	3	2	2	3	3			
CO2	1	3	2	3	2	3	2	3	2	3			
CO3	3	3	3	3	3	3	3	3	2	3			
CO4	2	3	3	3	3	2	3	3	3	3			
CO5	3	2	3	2	3	2	3	2	3	2			

GOVERNMENT COLLEGE (A) RAJAHMUNDRY
B.SC ECONOMETRICS

Semester-VI
Econometric Tools in Business -Paper – IX (B)
(Cluster – 2, paper-2)

TIME: 2 ½ HRS

MAX MARKS:50

I. Answer the following the questions

3x10=30

1.(a) (or)

(b)

2.(a)

(or)

(b)

3. (a)

(or)

(b)

II Answer any FOUR of the following

4x5=20

4.

5.

6.

7.

8.

9.

10.

GOVERNMENT COLLEGE (A) RAJAHMUNDRY
B.SC ECONOMETRICS
Semester-VI (Optional-1)
Econometric Tools in Business -Paper – IX (B)
(Cluster – 2, paper-2)

Time: 2 ½ Hrs

Max. Marks: 50

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Module	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Module-I	1	1	2
Module-II	2	1	3
Module-III	1	2	3
Module-IV	1	2	3
Module-V	1	2	3
Total Marks	60	40	100

B.A.
(Honours)
Economics

**GOVERNMENT COLLEGE (AUTONOMOUS)
RAJAMAHENDRAVARAM**

For the Year 2020-2023

Syllabus for B.A. (Honors.) Economics

Course Structure for B.A. (Hons.) Economics:

There are a total of fourteen economics core courses that students are required to take across six semesters. All the core courses are compulsory. In addition to core courses in economics, a student of B.A. (Hons.) Economics will choose four Discipline Specific Elective (DSE) Courses. The Discipline Specific Elective (DSE) Courses are offered in the fifth and sixth semesters and two such courses will be selected by a student from a set of courses specified for each of these semesters (Groups I and II in the attached table). It is recommended that each college should offer at least three Discipline Specific Elective (DSE) Courses in the fifth and sixth semesters to allow the students some minimal element of choice.

The syllabi for the Discipline Specific Elective (DSE) Courses are provisional and subject to revision.

Contact Hours: Each course has 5 lectures and 1 tutorial (per group) per week. The size of a tutorial group is 8-10 students.

Note on Course Readings: The nature of several of the courses is such that only selected readings can be specified in advance. Reading lists should be updated and topic-wise readings should be specified at regular intervals, ideally on an annual basis.

Eligibility for admission to B.A. (Hons) Economics: Given the quantitative requirements of the program, only students who have passed **Mathematics** at the **Class-XII level are eligible for admission.**

B.A. (H) Economics Three Year Course of Study (2020-2023)

Semester-I			Credits			
S.No	Course	Course Name	Thoery	Practical	Tutorial	Total
1	Core Course-I	Introductory Microeconomics	5	0	1	6
2	Core Course-II	Mathematical Methods in Economics-I	5	0	1	6
3	AECC-I	English	4	0	0	4
4	GE-I	Generic Elective-I	5	0	1	6
Semester-II			Credits			
S.No	Course	Course Name	Thoery	Practical	Tutorial	Total
5	Core Course-III	Introductory Macroeconomics	5	0	1	6
6	Core Course-IV	Mathematical Methods in Economics-II	5	0	1	6
7	AECC -II	Environmental Studies (EVS)	4	0	0	4
8	GE-II	Generic Elective-II	5	0	1	6
Semester-III			Credits			
S.No	Course	Course Name	Thoery	Practical	Tutorial	Total
9	Core Course-V	Intermediate Microeconomics-I	5	0	1	6
10	Core Course-VI	Intermediate Macroeconomics I	5	0	1	6
11	Core Course-VII	Statistical Methods for Economics	5	0	1	6
12	SEC -I	Financial Economics/Research Methodology	4	0	0	4
13	GE-III	Generic Elective-III	5	0	1	6
Semester-IV			Credits			
S.No	Course	Course Name	Thoery	Practical	Tutorial	Total
14	Core Course-VIII	Intermediate Microeconomics-II	5	0	1	6
15	Core Course-IX	Intermediate Macroeconomics II	5	0	1	6
16	Core Course-X	Introductory Econometrics	5	0	1	6
17	SEC -II	Contemporary Economic Issues/Data Analysis	4	0	0	4
18	GE-IV	Generic Elective-IV	5	0	1	6
Semester-V			Credits			
S.No	Course	Course Name	Thoery	Practical	Tutorial	Total
19	Core Course-XI	Indian Economy-I	5	0	1	6
20	Core Course-XII	Development Economics I	5	0	1	6
21	DSE-I	Applied Econometrics/ International Economics/ Public Economics	5	0	1	6
22	DSE-II	Applied Econometrics/ International Economics/ Public Economics	5	0	1	6
Semester-VI			Credits			
S.No	Course	Course Name	Thoery	Practical	Tutorial	Total
23	Core Course-XIV	Indian Economy-II	5	0	1	6
24	Core Course-XV	Development Economics II	5	0	1	6
25	DSE-III	Comparative Economic Development/ Political Economy/Money and Financial Markets	5	0	1	6
26	DSE-IV	Comparative Economic Development/ Political Economy/Money and Financial Markets	5	0	1	6

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Course Code EHON-101	TITLE OF THE COURSE INTRODUCTORY MICRO ECONOMICS	(I Sem)			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		5	1	0	6

Course Objectives

1. This course is designed to expose the students to the basic principles of microeconomic theory.
2. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real-life situations.

Course Outcomes

CO1	How households and firms interact in various market structures to determine price and quantity of a good produced.
CO2	Understand that economics is about the allocation of scarce resources, that scarcity forces of choice, trade off exist and that every choice as an opportunity cost
CO3	Producers 'equilibrium with the help of isoquants, expansion path and elasticity of substitution
CO4	Different types of markets and their features
CO5	Demonstrate marginal productivity theory of distribution, theory of wages identifies different types of rent and illustrate different theories of interest and profit.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Course Outline

Module-I

Exploring the subject matter of Economics Why study economics? Scope and method of economics; the economic problem: scarcity and choice; the question of what to produce, how to produce and how to distribute output; science of economics; the basic competitive model; prices, property rights and profits; incentives and information; rationing; opportunity sets; economic systems; reading and working with graphs

Module-II

Supply and Demand: How Markets Work, Markets and Welfare Markets and competition; determinants of individual demand/supply; demand/supply schedule and demand/supply curve; market versus individual demand/supply; shifts in the demand/supply curve, demand and supply together; how prices allocate resources; elasticity and its application; controls on prices; taxes and the costs of taxation; consumer surplus; producer surplus and the efficiency of the markets.

Module-III

The Households The consumption decision - budget constraint, consumption and income/price changes, demand for all other goods and price changes; description of preferences (representing preferences with indifference curves); properties of indifference curves; consumer 's optimum choice; income and substitution effects; labour supply and savings decision - choice between leisure and consumption.

Module-IV

The Firm and Perfect Market Structure Behaviour of profit maximizing firms and the production process; short run costs and output decisions; costs and output in the long run.

Module-V

Imperfect Market Structure Monopoly and anti-trust policy; government policies towards competition; imperfect competition.

Module-VI

Input Markets Labour and land markets - basic concepts (derived demand, productivity of an input, marginal productivity of labour, marginal revenue product); demand for labour; input demand curves; shifts in input demand curves; competitive labour markets; and labour markets and public policy

Text books:

1. Telugu Academy Publications on Microeconomics.
2. H. L. Ahuja, Advanced Economic Theory, S. Chand, 2004.
3. M. L. Seth, Microeconomics, Lakshmi Narayan Agarwal, 2006

Reference books:

1. Karl E. Case and Ray C. Fair, Principles of Economics, Pearson Education Inc., 8th Edition, 2007.
2. N. Gregory Mankiw, Economics: Principles and Applications, India edition by South Western, a part of Cengage Learning, Cengage Learning India Private Limited, 4th edition, 2007
3. A. Koutsoyiannis, Modern Microeconomics – Macmillan, London

Web Links

3. <https://ocw.mit.edu/courses/economics/14-01sc-principles-of-microeconomics-fall-2011>
4. <https://onlinecourses.nptel.ac.in/noc20hs01/preview>
5. https://onlinecourses.nptel.ac.in/noc21_hs52/preview

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	2	3	2	2	3			
CO2	3	3	3	2	3	3	3	3	2	3			
CO3	3	2	3	3	3	3	3	2	3	3			
CO4	2	2	3	3	3	2	3	2	3	2			
CO5	3	3	3	3	3	3	3	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

I– B.A Hons ECONOMICS (CBCS PATTERN)

INTRODUCTORY OF MICRO ECONOMICS

I-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

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Unit	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Unit-I	1	2	3
Unit-II	1	2	3
Unit-III	1	1	2
Unit-IV	1	1	2
Unit-V	1	1	2
Unit-VI	1	1	2
Total Marks	60	40	100

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

I - B.A ECONOMICS (HONOURS)

SEMESTER - I

INTRODUCTORY OF MICRO ECONOMICS

TIME: 2 ½ HOURS

MAX MARKS: 50

I) ANSWER ALL THE QUESTIONS

3X10=30

1. a) Explain the Nature and Scope of Micro Economics.
(or)
b) Explain the Law of Demand with its exceptions.


2. Explain the Price determination under monopoly.
(or)
b) Explain the Marginal Productivity theory of distribution.

3. a) Explain the Consumer equilibrium with the help of Indifference Curves.
(or)
b) Explain the Law of Variable Proportions

II) ANSWER ANY FOUR OF THE FOLLOWING

4X5=20

4. Micro and Macro economics
5. Consumer surplus
6. Monopolistic competition
7. Economies of scale
8. Inductive and Deductive methods
9. Opportunity sets
10. Short run costs
11. Labour supply

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code EHON-102	TITLE OF THE COURSE MATHEMATICAL METHODS IN ECONOMICS-I	I -BA (Hons) (I Sem)			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:	Sound Knowledge on +2 Mathematical Skills	5	1	0	6

Course Objectives

1. This course is designed to expose the students to the basic principles of Mathematical economics
2. To transmit the body of basic mathematics that enables the study of economic theory, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics

Course Outcomes

CO1	Understand the basic functional forms used in economic analysis
CO2	Understand and apply the basics of local and global minima and maxima
CO3	Analyse algebraic properties and applications
CO4	Apply the rules of Differentiation to mathematically solve economic problems
CO5	Apply the rules of integration to mathematically solve economic problems that they come across in the study

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Course Outline

Module-I: Preliminaries:

Logic and proof techniques; sets and set operations; relations; functions and their properties; number systems.

Module-II: Functions of one real variable:

Graphs; elementary types of functions: quadratic, polynomial, power, exponential, logarithmic; sequences and series: convergence, algebraic properties and applications; continuous functions: characterizations, properties with respect to various operations and applications; differentiable functions: characterizations, properties with respect to various operations and applications; second and higher order derivatives: properties and applications.

Module-III Single-variable optimization:

Geometric properties of functions: convex functions, their characterizations and applications; local and global optima: geometric characterizations, characterizations using calculus and applications.

Module-IV: Integration of functions:

Concept, Rules of Integration, Methods of Integration, Integration by Parts, Definite and Indefinite Integrals; Improper integrals, Fundamental Theorem of calculus, Illustrated examples, computation techniques

Module-V: Differential Equations:

Concept of Differential Equation, Exact Differential Equation Integrating Factor, First Order Linear Differential Equation

Text books:

1. K. Sydsaeter and P. Hammond, Mathematics for Economic Analysis, Pearson Educational Asia: Delhi, 2002
2. Chiang, A.C. and K. Wainwright (2013), Fundamental Methods for Mathematical Economics, McGraw Hill, New Delhi.

Reference books:

1. Carl P Simon Lawrence Blume, Mathematics for Economists, Viva Books.
2. Allen, R.G.D (2008), Mathematical Analysis for Economists, Macmillan Press, London

Web Links

1. <https://www.coursera.org/learn/mathematics-for-economists>
2. <https://www.classcentral.com/course/swayam-mathematical-economics-14187>
3. https://onlinecourses.nptel.ac.in/noc21_hs104/preview

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	2	3	2	2	3			
CO2	3	3	3	2	3	3	3	3	2	3			
CO3	3	2	3	3	3	3	3	2	3	3			
CO4	2	2	3	3	3	2	3	2	3	2			
CO5	3	3	3	3	3	3	3	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

I– B.A Hons ECONOMICS (CBCS PATTERN)

MATHEMATICAL METHODS IN ECONOMICS–I

I-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Unit	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Unit-I	1	1	2
Unit-II	2	2	4
Unit-III	1	2	3
Unit-IV	1	2	3
Unit-V	1	1	2
Total Marks	60	40	100

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

I– B.A Hons ECONOMICS (CBCS PATTERN)

MATHEMATICAL METHODS IN ECONOMICS–I

I-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

I) ANSWER ALL THE QUESTIONS

3X10=30

1. a) In a class of 100, 50 students have taken Mathematics, 60 students have taken Economics then find out the number of students who have taken both Mathematics and Economics

(or)

- b) Define Set and prove the properties of Set theory

2. a) Define Function and explain different types of functions

(or)

- b) In a steel plant the total revenue function R and total cost function C are given by $R=120Q+8Q^2-25$ and $C=2Q^3-4Q^2-6Q+25$ where Q denotes output. Then find i) Output level at which profit is maximum ii) determine the maximum profit

3. a) If marginal cost of a firm is given by $MC=3Q^2-4Q+5$ find the total cost when the fixed cost is 100

(or)

- b) If $Y=(X+5)^5$ then find out dy/dx

II) ANSWER ANY FOUR OF THE FOLLOWING

4X5=20

- 4.If $A=(1,4,5)$, $B=(2,4,5)$ and $C=(2,3)$ then show that $(A-B) \times C=(A \times C)-(B \times C)$

5. $Y=2X^5+3X^3+6X+2$ find dy/dx

- 6.Find $\int (X^3+3X^2+5X+6) dx$

- 7.If average cost function $AC=2Q=20+40/Q$ find marginal cost function

8. Arithmetic Progression


9. If $A=(1,2,5)$, $B=(2,3,5,6)$ and $C=(4,6)$ then find out $(A \cup B) \cap C$ and $(A \cap B) \cup C$

10. Consider the function $F(X)=X^2-4X+3$

X	0	1	2	3	4
$F(X)=X^2-4X+3$	3	0	-1	0	3

Using the above information draw the graph

11. In a certain culture, the count of bacteria gets doubled after every hour. There were 3 bacteria in the culture initially. What would be the total count of bacteria at the end of the 6th hour?

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code EHON-103	TITLE OF THE COURSE INTRODUCTORY MACRO ECONOMICS	I -BA (Hons) (II Sem)			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		5	1	0	6




Course Objectives

1. To introduce the students to the basic concepts of Macroeconomics such as GDP, Inflation, Unemployment and Money
2. To have a broader understanding of theoretical underpinnings of macroeconomics

Course Outcomes

CO1	Define and explain the process of calculating national income, identify its components, analyse the various identities with government and international trade
CO2	To understand the concept of circular flow of income and how the production process takes place in economy.
CO3	Demonstrate the meaning and functions of money, illustrate various versions of quantity theory of money
CO4	To analyse the income determination through classical and Keynesian economics.
CO5	Understanding of IS-LM Model

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Course Outline

Module-1: Introduction to Macroeconomics and National Income Accounting

Basic issues studied in macroeconomics; measurement of gross domestic product; income, expenditure and the circular flow; real versus nominal GDP; price indices; national income accounting for an open economy; balance of payments: current and capital accounts.

Module-2: Money

Functions of money; quantity theory of money; determination of money supply and demand; credit creation; tools of monetary policy.

Module-3: Inflation

Inflation and its social costs; hyperinflation.

Module-4. The Closed Economy in the Short Run

Classical and Keynesian systems; simple Keynesian model of income determination; IS-LM model; fiscal and monetary multipliers

Text books:

1. Dornbusch, Fischer and Startz, Macroeconomics, McGraw Hill, 11th edition, 2010.
2. N. Gregory Mankiw. Macroeconomics, Worth Publishers, 7th edition, 2010.
3. Richard T. Froyen, Macroeconomics, Pearson Education Asia, 2nd edition, 2005.

Reference books:

1. Olivier Blanchard, Macroeconomics, Pearson Education, Inc., 5th edition, 2009.
2. Andrew B. Abel and Ben S. Bernanke, Macroeconomics, Pearson Education, Inc., 7th edition, 2011.
3. Errol D'Souza, Macroeconomics, Pearson Education, 2009.
4. Paul R. Krugman, Maurice Obstfeld and Marc Melitz, International Economics, Pearson Education Asia, 9th edition, 2012.

Web Links

1. <https://www.khanacademy.org/economics-finance-domain/macroeconomics>
2. https://www.queensu.ca/artsci_online/courses/introductory-macroeconomics
3. <https://www.thoughtco.com/online-macroeconomics-textbook-resources-1147693>

CO-PO Mapping

(1: Slight [Low];
Correlation)

2: Moderate [Medium];

3: Substantial [High],

'-' : No

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	2	3	2	2	3			
CO2	3	3	3	2	3	3	3	3	2	3			
CO3	3	2	3	3	3	3	3	2	3	3			
CO4	2	2	3	3	3	2	3	2	3	2			
CO5	3	3	3	3	3	3	3	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

I- B.A Hons ECONOMICS (CBCS PATTERN)

INTRODUCTORY MACROECONOMICS

II-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Unit	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Unit-I	2	2	4
Unit-II	2	2	4
Unit-III	1	2	3
Unit-IV	1	2	3
Total Marks	60	40	100

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

I - B.A ECONOMICS (HONOURS)

SEMESTER - II

INTRODUCTORY MACROECONOMICS

TIME: 2 ½ HOURS

MAX MARKS: 50

SECTION-A

ANSWER ALL THE QUESTIONS

3X10=30

1. a) Define National Income and briefly explain the methods of calculating National Income.

(or)

b) Sketch and explain circular flow of income in a four-sector economy.

2. a) Write a brief note on Inflation and effects on various stakeholders of an economy.

(or)

b) Discuss the role of RBI in Monetary Policy

3. a) Distinguish between current account and capital account of the Balance of Payments account on the basis of its components


(or)

b) Explain the various functions on Money

II) ANSWER ANY FOUR OF THE FOLLOWING

4X5=20

4. Balance of Trade
5. Real GDP
6. Hyperinflation
7. GDP Deflator
8. Fiscal Policy
9. Balance of payments
10. IS – LM model
11. Credit Creation

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code EHON-104	TITLE OF THE COURSE MATHEMATICAL METHODS IN ECONOMICS - II	I -BA (Hons) (II Sem)			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		5	1	0	6




Course Objectives

1. To transmit the body of basic mathematics that enables the study of economic theory such as microeconomic theory, macroeconomic theory, statistics and econometrics
2. To make familiar to the students by exposing to various mathematical operations so as to understand the nuances of economics theory and its derivations.

Course Outcomes

CO1	Identify, solve and interpret the characteristics of each family of functions: linear, polynomial, exponential, logarithmic and quadratic
CO2	Demonstrate an understanding of the rules of differentiation as they apply to multivariable functions
CO3	Find solutions to unconstrained optimization problems by identifying relative and global maximums and minimums of single and multivariable functions
CO4	Use integration and matrix algebra techniques in economic analysis
CO5	Analyze difference and differential equations of first and second order

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Course Outline

Module-1: Differential equations

Concept of Differential Equation, Exact Differential Equation Integrating Factor, First Order Linear Differential Equation

Module-2: Linear algebra

Vector spaces: algebraic and geometric properties, scalar products, norms, orthogonality; linear transformations: properties, matrix representations and elementary operations; systems of linear equations: properties of their solution sets; determinants: characterization, properties and applications.

Module-3: Functions of several real variables

Geometric representations: graphs and level curves; differentiable functions: characterizations, properties with respect to various operations and applications; second order derivatives: properties and applications; the implicit function theorem, and application to comparative statics problems; homogeneous and homothetic functions: characterizations and applications.

Module-4: Multi -Variable optimization

Convex sets; geometric properties of functions: convex functions, their characterizations, properties and applications; further geometric properties of functions: quasi-convex functions, their characterizations, properties and applications; unconstrained optimization: geometric characterizations, characterizations using calculus and applications; constrained optimization with equality constraints: geometric characterizations, Lagrange characterization using calculus and applications; properties of value function: envelope theorem and applications.

books:

1. K. Sydsaeter and P. Hammond, Mathematics for Economic Analysis, Pearson Educational Asia: Delhi, 2002
2. Chiang, A.C. and K. Wainwright (2013), Fundamental Methods for Mathematical Economics, McGraw Hill, New Delhi.

Reference books:

1. Carl P Simon Lawrence Blume, Mathematics for Economists, Viva Books.
2. Allen, R.G.D (2008), Mathematical Analysis for Economists, Macmillan Press, London

Web Links

1. <https://www.coursera.org/learn/mathematics-for-economists>
2. <https://www.classcentral.com/course/swayam-mathematical-economics-14187>
3. https://onlinecourses.nptel.ac.in/noc21_hs104/preview

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	2	3	2	2	3			
CO2	3	3	3	2	3	3	3	3	2	3			
CO3	3	2	3	3	3	3	3	2	3	3			
CO4	2	2	3	3	3	2	3	2	3	2			
CO5	3	3	3	3	3	3	3	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

I– B.A Hons ECONOMICS (CBCS PATTERN)

MATHEMATICAL METHODS IN ECONOMICS–II

II-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Unit	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Unit-I	1	2	3
Unit-II	2	2	4
Unit-III	1	2	3
Unit-IV	2	2	4
Total Marks	60	40	100

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

I - B.A ECONOMICS (HONOURS)

SEMESTER - II

MATHEMATICAL METHODS IN ECONOMICS-II

TIME: 2 1/2 HOURS

MAX MARKS: 50

SECTION-A

ANSWER ALL THE QUESTIONS

3X10=30

1. a) Show that $\mathbf{AB} \neq \mathbf{BA}$ for the Matrices $\mathbf{A} = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix}$ $\mathbf{B} = \begin{bmatrix} 9 & 8 & 7 \\ 6 & 5 & 4 \\ 3 & 2 & 1 \end{bmatrix}$

(or)

b) Verify that $(\mathbf{A} + \mathbf{B})^T = \mathbf{A}^T + \mathbf{B}^T$, $(\mathbf{AB})^T = \mathbf{B}^T \cdot \mathbf{A}^T$ for the Matrices

$$\mathbf{A} = \begin{bmatrix} 2 & 1 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix} \quad \mathbf{B} = \begin{bmatrix} -7 & 0 & 3 \\ 9 & 1 & 4 \\ 0 & 6 & 5 \end{bmatrix}$$

2. a) Find the solutions for the system of equations by matrix Inverse method.

$$4X_1 + X_2 - 5X_3 = 8$$

$$-2X_1 + 3X_2 + X_3 = 12$$

$$3X_1 - X_2 + 4X_3 = 5$$

(or)

b) Find the solutions for the system of equations by using Use Cramer's rule

$$7X_1 - X_2 - X_3 = 0$$

$$10X_1 - 2X_2 + X_3 = 8$$

$$6X_1 + 3X_2 - 2X_3 = 7$$

3. a) Find the maxima and minima values of $Y = X^3 + 6X^2 + 9$

(or)

b) Find the extremum value of the objective function by using Lagrange method


$$Y = X_1 X_2 \text{ subject to } X_1 + X_2 = 6$$

SECTION-B

ANSWER ANY FOUR OF THE FOLLOWING

4X5=20

4. Find out the determinant of $\begin{bmatrix} 1 & 5 & 6 \\ 7 & 2 & 4 \\ 5 & 7 & 9 \end{bmatrix}$
5. Find the roots for $X^2-5X+6=0$
6. Find dy/dx If $Y=3X^2+7X+6$
7. Singular Matrix
8. Find $\frac{dy}{dx}$ If $Y=(X^2-1)/(X^2+1)$
9. Exponential function
10. IF $Z=X^2Y+2X+Y^3$ then find out $\partial Z/\partial X$ and $\partial Z/\partial Y$
11. Logarithmic Function

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code EHON-105	TITLE OF THE COURSE INTERMEDIATE MICROECONOMICS - I	II -BA (Hons) (III Sem)			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		5	1	0	6




Course Objectives

1. This course is designed to expose the students to the basic principles of microeconomic theory.
2. To provide a sound training in microeconomic theory to formally analyze the behavior of individual agents
3. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real-life situations.

Course Outcomes

CO1	To familiarise the basic themes of microeconomics
CO2	Empirical estimation of the elasticity of demand and supply
CO3	To study the theoretical framework of consumer behaviour
CO4	To analyse the basic theories of production function & costs
CO5	To study the structure of and determination of price and output under perfectly competitive and monopoly markets

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Course Outline

Module-1: Consumer Theory

Preference; utility; budget constraint; choice; demand; Slutsky equation; buying and selling; choice under risk and intertemporal choice; revealed preference.

Module-2: Production & Cost Theory

Technology; isoquants; production with one and more variable inputs; returns to scale; short run and long run costs; cost curves in the short run and long run;

Module-3: Market Structures

Competitive Markets: perfectly competitive markets-profit maximization – Choosing output in the Short Run and Long Run – Competitive firms Short Run supply curve – Industry's Long Run Supply Curve. Monopoly – Average Revenue and Marginal Revenue – Monopolist's Output Decision - Monopoly Power – Price Discrimination –Equilibrium under discriminating monopoly

Text books:

1. Telugu Academy Publications on Microeconomics.
2. Hal R. Varian, Intermediate Microeconomics, a Modern Approach, W.W. Norton and Company/Affiliated East-West Press (India), 8th edition, 2010.
3. M. L. Seth, Microeconomics, Lakshmi Narayan Agarwal, 2006

Reference books:

1. B. Douglas Bernheim and Michael D. Whinston, Microeconomics, Tata McGrawHill (India), 2009.
2. A. Koutsoyiannis, Modern Microeconomics – Macmillan, London
3. Henderson, J. M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.

Web Links

1. <https://ocw.mit.edu/courses/economics/14-01sc-principles-of-microeconomics-fall-2011>
2. <https://onlinecourses.nptel.ac.in/noc20hs01/preview>
3. https://onlinecourses.nptel.ac.in/noc21_hs52/preview

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	2	3	2	2	3			
CO2	3	3	3	2	3	3	3	3	2	3			
CO3	3	2	3	3	3	3	3	2	3	3			
CO4	2	2	3	3	3	2	3	2	3	2			
CO5	3	3	3	3	3	3	3	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

II– B.A Hons ECONOMICS (CBCS PATTERN)

INTERMEDIATE MICRO ECONOMICS-I

III-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Unit	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Unit-I	2	3	5
Unit-II	2	2	4
Unit-III	2	3	5
Total Marks	60	40	100

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

II– B.A Hons ECONOMICS (CBCS PATTERN)

INTERMEDIATE MICRO ECONOMICS-I

III-SEMESTER END EXAMINATIONS

TIME: 2 ½ HOURS

MAX MARKS: 50

I) ANSWER ALL THE QUESTIONS


3X10=30

1. a) State and explain Samuelson's revealed preference theory of demand.
(or)
b) What is consumer's surplus? How is consumer's surplus measured with the help of indifference curve?
2. a) Explain the laws of returns to scale with the help of diagram.
(or)
b) Explain in brief the law of variable proportion with the help and diagram
3. a) What is perfect competition? Explain the important features of perfect competition?
How is price of a commodity determined under perfect competition
(or)
b) The following demand and total cost functions of a monopolist are given as $Q=360-20P$, $TC=6Q+0.05Q^2$, then determine equilibrium output and price of the monopolist? Determine profit of the monopolist?

II) ANSWER ANY FOUR OF THE FOLLOWING

4X5=20

4. Budget Constraint
5. Law of Demand
6. Isoquants
7. Cob-Douglas Production Function
8. Features of Perfect Competition
9. Price Discrimination
10. Short run costs
11. Envelope Curve

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code EHON-106	TITLE OF THE COURSE INTERMEDIATE MACROECONOMICS - I	II -BA (Hons) (III Sem)			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		5	1	0	6

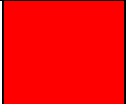


Course Objectives

1. This course is designed to the students to formal modeling of a macro-economy in terms of analytical tools.
2. It discusses various alternative theories of output and employment determination in a closed economy in the short run as well as medium run, and the role of policy in this context.
3. It also introduces the students to various theoretical issues related to an open economy.

Course Outcomes

CO1	To assimilate the notion of Aggregate demand and Aggregate supply in the Economy
CO2	To strengthen the awareness about the basic economic issues like inflation, unemployment and Philips Curve
CO3	To understand the concept of Goods market and money market equilibrium
CO4	To analyse the basic postulates of open economy models
CO5	To have overview on international financial markets and their functioning

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Course Outline

Module-1: Aggregate Demand and Aggregate Supply Curves

Derivation of aggregate demand and aggregate and supply curves; interaction of aggregate demand and supply.

Module-2: Inflation, Unemployment and Expectations Phillips curve

Adaptive and rational expectations; policy ineffectiveness debate.

Module-3: Open Economy Models

Short-run open economy models, Mundell-Fleming model; exchange rate determination; purchasing power parity; asset market approach; Dornbusch's overshooting model; monetary approach to balance of payments; international financial markets.

Text books:

1. Dornbusch, Fischer and Startz, Macroeconomics, McGraw Hill, 11th edition, 2010.
2. N. Gregory Mankiw. Macroeconomics, Worth Publishers, 7th edition, 2010.
3. Richard T. Froyen, Macroeconomics, Pearson Education Asia, 2nd edition, 2005.

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1. Olivier Blanchard, Macroeconomics, Pearson Education, Inc., 5th edition, 2009.
2. Andrew B. Abel and Ben S. Bernanke, Macroeconomics, Pearson Education, Inc., 7th edition, 2011.
3. Errol D'Souza, Macroeconomics, Pearson Education, 2009.
4. Paul R. Krugman, Maurice Obstfeld and Marc Melitz, International Economics, Pearson Education Asia, 9th edition, 2012.

Web Links

1. <https://www.khanacademy.org/economics-finance-domain/macroeconomics>
2. <https://www.thoughtco.com/online-macroeconomics-textbook-resources-1147693>
3. <https://ocw.mit.edu/courses/economics/14-05-intermediate-macroeconomics-spring-2013/>

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
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CO2	3	3	3	2	3	3	3	3	2	3			
CO3	3	2	3	3	3	3	3	2	3	3			
CO4	2	2	3	3	3	2	3	2	3	2			
CO5	3	3	3	3	3	3	3	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

II- B.A Hons ECONOMICS (CBCS PATTERN)

INTERMEDIATE MACROECONOMICS-I

III-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Unit	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Unit-I	2	3	5
Unit-II	2	2	4
Unit-III	2	3	5
Total Marks	60	40	100

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

II - B.A ECONOMICS (HONOURS)

SEMESTER - III

INTERMEDIATE MACROECONOMICS-I

TIME: 2 ½ HOURS

MAX MARKS: 50

SECTION-A

ANSWER ALL THE QUESTIONS

3X10=30

1. a) Define National Income and briefly explain the methods of calculating National Income.
(or)
b) Sketch and explain circular flow of income in a four-sector economy.


2. a) Write a brief note on Inflation and effects on various stakeholders of an economy.
(or)
b) Discuss the role of RBI in Monetary Policy

3. a) Distinguish between current account and capital account of the Balance of Payments account on the basis of its components
(or)
b) Explain the various functions on Money

II) ANSWER ANY FOUR OF THE FOLLOWING

4X5=20

4. Balance of Trade
5. Real GDP
6. Hyperinflation
7. GDP Deflator
8. Fiscal Policy
9. Balance of payments
10. IS – LM model
11. Credit Creation

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code EHON-107	TITLE OF THE COURSE STATISTICAL METHODS FOR ECONOMICS	II -BA (Hons) (III Sem)			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		5	1	0	6




Course Objectives

1. This course is designed to expose the students to the basic principles of Statistics
2. To provide a sound training in statistical methods so as to formally analyze the data
3. The emphasis will be on thinking like an economist and the course will illustrate how the tools of statistics can be applied to analyze theoretical validation.

Course Outcomes

CO1	To understand the measures of Central Tendency and Dispersion in order to interpret empirical data
CO2	To analyse the data by using correlation and regression
CO3	To study the elementary theory of probability including probability distributions.
CO4	To understand the concept of sampling and estimation
CO5	To understand hypothesis testing

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Course Outline

Module-1: Measures of Central Tendency & Dispersion

Introduction of Statistics, Structure of Data, Tabulation of Data, Frequency Distribution Mean, Median, Mode for Ungrouped and Grouped data, Geometric Mean and Harmonic Mean, Measures of: Range, Mean Deviation, Standard Deviation, Coefficient of Variation, Quartile Deviation, Coefficient of Quartile Deviation, Lorenz Curve, Skewness and Kurtosis

Module-2: Correlation and Regression Analysis:

Correlation: Scattered diagram, Partial and Multiple correlation, Coefficients of Correlation, Karl Pearson and Rank Correlation. Simple Regression Model, Least Square Estimates

Module-3: Probability Theory & Distributions

Basic Relationships of probability; Concepts of Joint, Marginal and Conditional probability and Independence, Bayes' Theorem, Concept of Random Variables and Features of probability distributions (Expected values, Variances and their properties); Binomial, Poisson & Normal Distributions

Module-4: Sampling Theory

Sampling: Concept and Basic Terminology, Principal Steps in a Sample Survey, Methods of Sampling. The role of Sampling Theory, Simple Random Sampling, Purposive Sampling, Stratified, Systematic, Cluster Sampling, Snowball Sampling, Determination of Sample size

Module-5: Statistical Inference: Theory of Estimation:

Theory of Estimation, Types of Estimation, Parameters and Estimates, Standard Error and Its Utility, Distribution of The Sample Mean, Properties of Estimators, Testing of Hypothesis, Chi-Square Test, T-distribution, F- Test, Estimation of population parameters using methods of moments and maximum likelihood procedures; properties of estimators; confidence intervals for population parameters.

Text books:

1. S.P. Gupta, Statistical Methods, Sultan Chand and Sons, Latest edition, New Delhi
2. S.C. Gupta, Fundamentals of Statistics, Sultan Chand and Sons, Latest edition, New Delhi

Reference books:

1. Anderson, D., D.Sweeney and T.Williams (2013): "Statistics for Business and Economics", Cengage Learning : New Delhi..
2. Nagar, A.L. and R.K. Das (1993), Basic Statistics, Oxford University Press, New Delhi..
3. Freund, J.E. : "Mathematical Statistics", (Latest Edition), Prentice Hall : India.

Web Links

1. <https://ocw.mit.edu/courses/economics/14-30-introduction-to-statistical-method-in-economics-spring-2006>
2. https://onlinecourses.nptel.ac.in/noc21_hs39/preview

CO-PO Mapping

(1: Slight [Low];
Correlation)

2: Moderate [Medium];

3: Substantial [High],

'-' : No

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	2	3	2	2	3			
CO2	3	3	3	2	3	3	3	3	2	3			
CO3	3	2	3	3	3	3	3	2	3	3			
CO4	2	2	3	3	3	2	3	2	3	2			
CO5	3	3	3	3	3	3	3	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM
II- B.A Hons ECONOMICS (CBCS PATTERN)
STATISTICAL METHODS FOR ECONOMICS
III-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Unit	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Unit-I	2	2	4
Unit-II	1	2	3
Unit-III	1	2	3
Unit-IV	1	1	2
Unit-IV	1	1	2
Total Marks	60	40	100

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM
II– B.A Hons ECONOMICS (CBCS PATTERN)
STATISTICAL METHODS FOR ECONOMICS
III-SEMESTER END EXAMINATIONS

TIME: 2 ½ HOURS

MAX MARKS: 50

SECTION-A

ANSWER ALL THE QUESTIONS

3X10=30

Classes	0-20	20-40	40-60	60-80	80-100	100-120	120-140
Frequency	6	8	10	12	6	5	3

1. a) Find the Mean, Median & Mode of the following data

(or)

Marks	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90
Number of Students	2	22	19	14	3	4	6	1

- b) Compute the standard deviation and the coefficient of variation of the given data

2. a) State and explain the Poisson Distribution and critically examine its role in statistical analysis

(or)

- b) Obtain the two lines of regression from the following data

X	56	42	72	39	63	47	52	49	40	42	68	60
Y	127	112	140	118	129	116	130	125	115	120	135	133

3. a) Define Sampling. Explain the different methods of sampling

(or)

- b) Write a brief note on Hypothesis Testing, level of significance and t-test


II) ANSWER ANY FOUR OF THE FOLLOWING

4X5=20

4. In a distribution, the median is 20 and the mean is 22.5. Using these values, find the value of the mode.
5. Mr Alex drove through 8 southern states on his summer vacation. Fuel prices varied from state to state he travelled. Calculate the range of fuel prices?
Rs. 2.79, Rs. 0.61, Rs. 2.96, Rs. 3.09, Rs. 1.64, Rs. 2.25, Rs. 3.73, Rs. 1.67
6. In a correlation study the following values are obtained then find the two regression equations that are associated with above values

	X	Y
Mean	65	67
Standard Deviation	2.5	3.5
Coefficient of Correlation	0.8	

7. Quota Sampling
8. Standard error of estimate
9. Critical Region
10. Type-I and Type-II errors.
11. Properties of an estimator

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code EHON-108	TITLE OF THE COURSE Financial Economics	II -BA (Hons) (III Sem)			
Teaching	Hours Allocated: 40 (Theory)	L	T	P	C
Pre-requisites:		4	0	0	4

Course Objectives

3. This course is designed to expose the students to the basic principle's financial economics
4. To understand the primary and secondary market of capital and money market
5. It is also aimed in overall understanding of financial markets functioning in India

Course Outcomes

CO1	To familiarize the students with the basic concepts in financial economics
CO2	To provide comprehensive knowledge on the role of finance and financial systems in operation
CO3	The course intends to familiarize the students with the basic concepts in money market and capital market
CO4	To enable students to know the operation of the Indian Financial System and activities in the financial markets.
CO5	To understand the Indian financial system and the main leading agencies

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Course Outline

Module I: Financial system and Financial Markets

Financial system-Structure-Functions- Financial markets- Financial Instruments -Financial system and Economic development - Money Market-Meaning-Functions-Instruments of money market-Call loans, Collateral loans, Promissory notes, Bills of Exchange, Treasury Bills, Gilt edged securities, RBI in Indian Money market.

Module II: Capital Market

Capital market- Meaning – Functions-Structure- SEBI - Primary and Secondary markets - Instruments of Capital market- Bonds and debentures, Government promissory notes, public sector bonds-Initial Public Offer-Methods of floatation of shares – Secondary Market- Nature and functions of stock exchanges -Settlement and trading in stock exchange- Players in stock exchanges-Speculators-Bulls, Bears, Lamé duck, Stag- Kerb trading, Insider trading- Listing of securities

Module III: Security Market Analysis

Risk-Return on risk-types of risk-Security Evaluation-Fundamental Analysis, Technical Analysis -Fundamental Analysis- Dow Theory, Dow-Jones Index, Elliot Wave Theory Derivatives-Options, Futures/Forwards, Swaps Construction of Stock market indices.

Module IV: Indian Financial System

Structure of Indian Financial System-Organization and management of Indian Stock Exchanges- Depositories in India NSDL, CSDL- Development financial institutions -Pension and Provident Funds, National Pension system and PFRDA (Pension Funds Regulatory and Development Authority) Mutual funds- Venture capital funds- NBFIS, Chit Funds-Credit rating agencies in Indi

Text books:

3. Khan, N Y (1996): Indian Financial system, TATA Mc Graw Hill Co Ltd, New Delhi
4. Bharathi V Pathak (2003): Indian Financial system, Pierson Education, New Delhi

Reference books:

4. Gupta, S B (2007): Monetary Economics Institutions Theory and Policy, Chand and Co Ltd
5. Preethi Singh (2009) : Dynamics of Indian Financial system, markets, institutions and services, Annes Books Pvt Ltd, New Delhi
6. Bhole, L M (1999): Financial Institutions and Markets, TATA Mc Graw Hill Co Ltd, New Delhi

Web Links

1. https://onlinecourses.nptel.ac.in/noc20_mg10/preview

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	2	3	2	2	3			
CO2	3	3	3	2	3	3	3	3	2	3			
CO3	3	2	3	3	3	3	3	2	3	3			
CO4	2	2	3	3	3	2	3	2	3	2			
CO5	3	3	3	3	3	3	3	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

II– B.A Hons ECONOMICS (CBCS PATTERN)

FINANCIAL ECONOMICS

III-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Unit	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Unit-I	2	2	4
Unit-II	2	2	4
Unit-III	1	2	3
Unit-IV	1	2	3
Total Marks	60	40	100

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

II– B.A Hons ECONOMICS (CBCS PATTERN)

FINANCIAL ECONOMICS

III-SEMESTER END EXAMINATIONS

TIME: 2 ½ HOURS

MAX MARKS: 50

SECTION-A

ANSWER ALL THE QUESTIONS

3X10=30

1. a) Discuss the role of financial system in economic development of a country
(or)
b) Critically examine the Role of RBI in Indian Money Market


2. a) Distinguish between Primary market and Secondary market
(or)
b) Explain the role played by SEBI in protecting investors' interests and controlling the business at stock exchange.

3. a) Discuss Dow Theory and Elliot Wave theory
(or)
b) Write a brief note on Credit rating agencies and their role in financial sector.

II) ANSWER ANY FOUR OF THE FOLLOWING

4X5=20

4. Treasury Bills
5. Gilt Edged Securities
6. Insider Trading
7. SENSEX
8. Derivatives & Options
9. Futures and Forward
10. PFRDA
11. NSDL

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code EHON-109	TITLE OF THE COURSE INTERMEDIATE MICROECONOMICS - II	II -BA (Hons) (IV Sem)			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		5	1	0	6




Course Objectives

1. This course is designed to expose the students to the principles of microeconomic theory.
2. To provide a sound training in microeconomic theory to formally analyze the behavior of individual agents
3. The emphasis will be on giving conceptual clarity to the student coupled with the use of mathematical tools and reasoning

Course Outcomes

CO1	To familiarize the students with the advance concepts in micro economics
CO2	To provide comprehensive knowledge on Welfare Economics
CO3	To study the concepts of general equilibrium, economic efficiency and market failure
CO4	To enable students to have familiarise towards the concepts of Game Theory and its postulates.
CO5	To understand the concepts of Externalities and Asymmetric Information

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Course Outline

Module I: General Equilibrium, Efficiency and Welfare

Equilibrium and efficiency under pure exchange and production; overall efficiency and welfare economics.

Module II: Market Structure and Game Theory

Monopoly; pricing with market power; price discrimination; peak-load pricing; two-part tariff; monopolistic competition and oligopoly; game theory and competitive strategy.

Module III: Market Failure

Externalities; public goods and markets with asymmetric information.

Text books:

1. Hal R. Varian, *Intermediate Microeconomics, a Modern Approach*, 8th edition,
2. C. Snyder and W. Nicholson, *Fundamentals of Microeconomics*, Cengage Learning (India), 2010.

Reference books:

1. B. Douglas Bernheim and Michael D. Whinston, *Microeconomics*, Tata McGraw Hill (India), 2009.
2. A. Koutsoyiannis, *Modern Microeconomics* – Macmillan, London
3. Henderson, J. M. and R.E. Quandt (1980), *Microeconomic Theory: A Mathematical Approach*, McGraw Hill, New Delhi.

Web Links

1. <https://nptel.ac.in/courses/109/104/109104125/>
2. https://onlinecourses.nptel.ac.in/noc21_hs52/preview
3. <https://ocw.mit.edu/courses/economics/14-01sc-principles-of-microeconomics-fall-2011/>

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	3	2	3	2	3			
CO2	3	2	3	2	3	2	3	2	3	2			
CO3	3	2	3	2	3	2	3	3	3	3			
CO4	3	3	3	3	2	3	2	3	2	3			
CO5	3	3	3	3	2	3	2	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

II- B.A Hons ECONOMICS (CBCS PATTERN)

INTERMEDIATE MICRO ECONOMICS - II

IV-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Unit	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Unit-I	2	3	5
Unit-II	2	3	5
Unit-III	2	2	4
Total Marks	60	40	100

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

II– B.A Hons ECONOMICS (CBCS PATTERN)

INTERMEDIATE MICRO ECONOMICS - II

IV-SEMESTER END EXAMINATIONS

TIME: 2 ½ HOURS

MAX MARKS: 50

SECTION-A

ANSWER ALL THE QUESTIONS

3X10=30

1. a) Explain General Equilibrium in pure exchange Economy
(or)
b) Define Welfare Economics. Explain How Economic Welfare is determined.


2. a) Explain pricing strategy for firms with market power in monopoly
(or)
b) Explain the characteristics of Monopolistic competition

3. a) Discuss the problems and solutions of externalities
(or)
b) Describe how financial markets exhibit asymmetric information.

II) ANSWER ANY FOUR OF THE FOLLOWING

4X5=20

4. Positive Externality
5. Public Goods
6. Oligopoly
7. Price Discrimination
8. Two - part Tariff
9. Partial Equilibrium
10. Pareto Efficiency
11. Edgeworth Box

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code EHON-110	TITLE OF THE COURSE INTERMEDIATE MACRO ECONOMICS - II	II -BA (Hons) (IV Sem)			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		5	1	0	6




Course Objectives

1. This course is designed to expose the students to the principles of macroeconomic theory.
2. To provide a sound training in macroeconomic theory to formally analyze the aggregates
3. It also provides the macro-economic foundations to the various aggregative concepts used in the previous course.

Course Outcomes

CO1	To have a familiarize about various hypotheses of consumption
CO2	To have a understand about prevailing interest rates and demand for money
CO3	To get good ideas on the nuances of Fiscal Policy
CO4	To understand the nuances of Monetary Policy
CO5	To have broad understanding on various schools of Economics Thought

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Course Outline

Module-I: Microeconomic Foundations

- a. Consumption: Keynesian consumption function; Fisher's theory of optimal intertemporal choice; life-cycle and permanent income hypotheses; rational expectations and random-walk of consumption expenditure.
- b. Investment: determinants of business fixed investment; residential investment and inventory investment.
- c. Demand for money.

Module-II: Fiscal and Monetary Policy

Active or passive; monetary policy objectives and targets; rules versus discretion: time consistency; the government budget constraint; government debt and Ricardian equivalence.

Module-III: Schools of Macroeconomic Thoughts

Classicals; Keynesians; New-Classicals and New-Keynesians.

Text books:

1. Dornbusch, Fischer and Startz, *Macroeconomics*, McGraw Hill, 11th edition, 2010.
2. N. Gregory Mankiw. *Macroeconomics*, Worth Publishers, 7th edition, 2010.
3. Edward Shapiro Macro Economic Analysis, Galgotia Publications, 5th Edition, 2013

Reference books:

1. Olivier Blanchard, *Macroeconomics*, Pearson Education, Inc., 5th edition, 2009.
2. Errol. D'Souza, *Macroeconomics*, Pearson Education, 2009.
3. Robert J. Gordon, *Macroeconomics*, Prentice-Hall India Limited, 2011.

Web Links

1. <https://www.conted.ox.ac.uk/courses/macroeconomics-an-introduction-online>
2. <https://www.edx.org/learn/macroeconomics>
3. <https://nptel.ac.in/courses/109/104/109104073/>

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	3	2	3	2	3			
CO2	3	2	3	2	3	2	3	2	3	2			
CO3	3	2	3	2	3	2	3	3	3	3			
CO4	3	3	3	3	2	3	2	3	2	3			
CO5	3	3	3	3	2	3	2	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

II- B.A Hons ECONOMICS (CBCS PATTERN)

INTERMEDIATE MACRO ECONOMICS - II

IV-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Unit	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Unit-I	2	4	5
Unit-II	2	2	5
Unit-III	2	2	4
Total Marks	60	40	100

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

II– B.A Hons ECONOMICS (CBCS PATTERN)

INTERMEDIATE MACRO ECONOMICS - II

IV-SEMESTER END EXAMINATIONS

TIME: 2 ½ HOURS

MAX MARKS: 50

SECTION-A

ANSWER ALL THE QUESTIONS

3X10=30

1. a) Discuss critically the Keynesian Theory of Consumption
(or)
b) Explain the concept of Marginal Efficiency of Capital


2. a) ‘The mix of Monetary Policy and Fiscal Policy is only effective in achievement of economic growth, but not single policy’ Comment?
(or)
b) Critically examine the role of monetary policy in India

3. a) Critically examine the major economic ideas of Classical School of economic thought
(or)
b) ‘The New Keynesians and Post Keynesians have not prevailed upon the Monetarists,’
Comment

II) ANSWER ANY FOUR OF THE FOLLOWING

4X5=20

4. Permanent Income Hypothesis
5. Ricardian Equivalence
6. Cash Reserve Ratio
7. Life Cycle Hypothesis
8. High Powered Money
9. JB Say Law of Market
10. Rational Expectations Theory
11. Wage Cut Policy

	Government College (Autonomous) Rajahmundry	Program & Semester			
Course Code EHON-111	TITLE OF THE COURSE INTRODUCTORY ECONOMETRICS	II -BA (Hons) (IV Sem)			
Teaching	Hours Allocated: 60 (Theory)	L	T	P	C
Pre-requisites:		5	1	0	6

Course Objectives

1. This course provides a comprehensive introduction to basic econometric concepts and techniques
2. It covers statistical concepts of hypothesis testing, estimation and diagnostic testing of simple and multiple regression models.
3. The course also covers the consequences of and tests for misspecification of regression models.

Course Outcomes

CO1	To have a familiarize about various statical concepts which are essential for econometric Modelling
CO2	To understand about statical hypotheses and testing parameters
CO3	To get good ideas on estimation of a model by method of ordinary least squares
CO4	To have broad understanding on Multiple Regression Models
CO5	To understand the concepts of Multicollinearity; heteroscedasticity; serial correlation.

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
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Course Outline

1. Nature and Scope of Econometrics

2. Statistical Concepts

Normal distribution; chi-square, t- and F-distributions; estimation of parameters; properties of estimators; testing of hypotheses: defining statistical hypotheses; distributions of test statistics; testing hypotheses related to population parameters; Type I and Type II errors; power of a test; tests for comparing parameters from two samples.

3. Simple Linear Regression Model: Two Variable Case

Estimation of model by method of ordinary least squares; properties of estimators; goodness of fit; tests of hypotheses; scaling and units of measurement; confidence intervals; Gauss Markov theorem; forecasting.

4. Multiple Linear Regression Model

Estimation of parameters; properties of OLS estimators; goodness of fit - R^2 and adjusted R^2 ; partial regression coefficients; testing hypotheses – individual and joint; functional forms of regression models; qualitative (dummy) independent variables.

5. Violations of Classical Assumptions: Consequences, Detection and Remedies

Multicollinearity; heteroscedasticity; serial correlation.

6. Specification Analysis

Omission of a relevant variable; inclusion of irrelevant variable; tests of specification errors.

Text books:

1. D. N. Gujarati, Dawn Porter and Sangeetha Gunasekar, *Basic Econometrics*, McGraw Hill Education, 5th Edition, International Edition, 2017
2. D. N. Gujarati and D.C. Porter, *Essentials of Econometrics*, McGraw Hill, 4th edition, International Edition, 2009.
3. Christopher Dougherty, *Introduction to Econometrics*, Oxford University Press, 3rd edition, Indian edition, 2007.

Reference books:

1. Wooldridge Jeffrey, *Introductory Econometrics a Modern Approach*, Cengage Learning India 7th edition, 2019.

Web Links

1. <https://www.coursera.org/courses?query=econometrics>
2. https://onlinecourses.nptel.ac.in/noc21_hs01/preview

CO-PO Mapping

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-' : No Correlation)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	3	2	3	2	3			
CO2	3	2	3	2	3	2	3	2	3	2			
CO3	3	2	3	2	3	2	3	3	3	3			
CO4	3	3	3	3	2	3	2	3	2	3			
CO5	3	3	3	3	2	3	2	3	2	3			

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

II– B.A Hons ECONOMICS (CBCS PATTERN)

INTRODUCTORY ECONOMETRICS

IV-SEMESTER END EXAMINATIONS

Time: 2 ½ Hrs

Max. Marks: 50

BLUE PRINT

Unit	Essays (10 marks)	Short Answers (5 marks)	Total Questions
Unit-I	1	0	1
Unit-II	1	1	2
Unit-III	1	1	2
Unit-IV	1	2	3
Unit-V	1	2	3
Unit-VI	0	2	2
Total Marks	60	40	100

GOVERNMENT COLLEGE (AUTONOMOUS): RAJAHMAHENDRAVARAM

II– B.A Hons ECONOMICS (CBCS PATTERN)

INTRODUCTORY ECONOMETRICS

IV-SEMESTER END EXAMINATIONS

TIME: 2 ½ HOURS

MAX MARKS: 50

SECTION-A

ANSWER ALL THE QUESTIONS

3X10=30

1. a) Explain the nature and scope of Econometrics

(or)

b) Write down the properties of an estimator

2. a) Explain the Gauss-Markov theorem

(or)

b) Explain the properties of OLS estimators.

3. a) Discuss Multicollinearity and Heteroscedasticity

(or)

b) Write a brief note on Omission of a relevant and inclusion of irrelevant variable

II) ANSWER ANY FOUR OF THE FOLLOWING

4X5=20

4. Type-I & II Errors

5. Goodness of Fit

6. R^2 and Adjusted R^2

7. Dummy Variable

8. Serial Correlation

9. Specification Error

10. Homoscedasticity

11. Tests of Hypothesis