Date :- 01/08/2023

NOTIFICATION

Sub :- CBCS Syllabi of M. A. in Economics (Sem. I & II)

Ref. :- Decision of the Academic Council at its meeting held on 26/07/2023.

The Syllabi of M. A. in Economics (First and Second Semesters) as per **NATIONAL EDUCATION POLICY - 2020** and approved by the Academic Council as referred above are hereby notified for implementation with effect from the academic year 2023-24.

Copy of the Syllabi Shall be downloaded from the College Website (www.kcesmjcollege.in)

Sd/-
Chairman,
Board of Studies

To :

1) The Head of the Dept., M. J. College, Jalgaon.
2) The office of the COE, M. J. College, Jalgaon.
3) The office of the Registrar, M. J. College, Jalgaon.

Khandesh College Education Society's

Moolji Jaitha College,Jalgaon

An "Autonomous College"

Affiliated to

Kavayitri Bahinabai Chaudhari
NorthMaharashtra University, Jalgaon-425001

STRUCTURE AND SYLLABUS

F.Y.M.A. Economics

Under Choice Based Credit System (CBCS)
and
As per NEP-2020 Guidelines

[w.e.f.AcademicYear:2023-24]

Preface

The M.A. Economics program is designed to give students a quantitative and qualitative approach to economics with the meet of their future goals. This program offers wide range of areas within the discipline, including microeconomics economics, macroeconomics, mathematical economics, statistical economics, environmental economics and banking and financial economics. The Masters Programme aims to adopt applied research, market research, financial analysis and make students highly competitive on the finance sector job market and ready for Ph.D. programs.

Two years Masters Programme in Economics provides students with a rigorous and in-depth advanced training in economic analysis. It provides particular emphasis on equipping students with the ability to comprehend and think about contemporary economic issues including the challenges confronting developing countries like India.

Programme Outcomes (PO) for M.A. Economics

Upon successful completion of this Programme, student will be able to:

PO No.	PO
1	Offer an innovative, fundamental and applied training and skill in order to provide essential knowledge of national, comparative and transnational issues in Economics.
2	Develop the theoretical and interdisciplinary approach for the understanding and application of economic policy, theories, sectoral studies covering sectors of critical importance like Industries, Foreign trade, Rural and Urban Economics etc.
3	Encourage the application of knowledge by concentrating on research work and by providing an opportunity to engage in research in various areas in economics.
4	Explore and engage in IT tools and software for research in order to help them develop and apply these skills in a professional setting and advanced research.
5	Integrate active learning methods like case studies; project and team work into the learning process.
6	Explore and engage conduct research seminars, workshops and internships with connect to their core academic competencies.

Programme Specific Outcome (PSO) for M.A. Economics

After completion of this course, students are expected to:

PSO No.	PSO
1	Demonstrate an understanding of complex economics mechanism that related to society.
2	Apply economic theory to real life issues in fields of economics as well as contemporary social issues along with formulation and analysis of policy.
3	Understand how economy is influenced by economic policy, technological advances, demographic conditions and international trade and finance.
4	Identify key macroeconomic indicators and measures of economics change, growth and development of an economy.
5	Demonstrate the ability to employ the "economic way of thinking." i.e. the ability to use critical thinking skills within the discipline of economics about economic matters and develop an ability to conduct economic research using equations, graphs and various statistical tools and techniques.
6	Develop an insight into special fields of economics, like agricultural economics, industrial economics, development economics, public finance, rural economics, urban economics, health economics and international trade and financial movements.

F. Y. M.A. Economics Structure and Syllabus

Semester	Course Module	Credit	Hours/ week	TH/ PR	Code	Title
I	DSC	4	4	TH	ECO-DSC-511	Advanced Microeconomic Theory - I
	DSC	4	4	TH	ECO -DSC-512	Advanced Macroeconomic Theory - I
	DSC	4	4	TH	ECO -DSC-513	Mathematical Economics
	DSC	2	2	TH	ECO -DSC-514	Agricultural Economics- I
	DSE	4	4	TH	ECO-DSE-515 - A	Economics of Environment
				TH	ECO-DSE-515 - B	Demography
	RM	4	4	TH	ECO -RM-516	Research Methodology in Economics
II	DSC	4	4	TH	ECO-DSC-521	Advanced Microeconomic Theory – II
	DSC	4	4	TH	ECO-DSC-522	Advanced Macroeconomic Theory – II
	DSC	4	4	TH	ECO-DSC-523	Statistical Methods
	DSC	2	2	TH	ECO-DSC-524	Agricultural Economics- II
	DSE	4	4	TH	ECO-DSE-525 - A	Political Economy in India
				TH	ECO-DSE-525 - B	Financial Economics
	OJT/Int.	4	4	PR	ECO-OJT-526	OJT/Int/App.

DSC	:	Department-Specific Core course	**ENG**	:	English
DSE	:	Department-Specific elective	**ES**	:	Environmental studies
GE/OE	:	Generic/ Open elective	**CI**	:	Constitution of India
SEC	:	Skill Enhancement Course	**IKS**	:	Indian Knowledge System
MIN	:	Minor course	**CC**	:	Co-curricular course
AEC	:	Ability Enhancement Course	**TH**	:	Theory
VEC	:	Value Education Courses	**PR**	:	Practical

Exam Pattern

- Each theory and practical course will be of 50 marks comprising of 10 marks internal and 40 marks external examination. ***Please specify the marks division between Internal and External Examination. For example, Internal Examination-10, and External Examination-40 for 2 credits. At the same time Internal Examination-40, and External Examination-60 Marks for 4 credits.**

F.Y.M.A. ECONOMICS
SEMESTER-I

F.Y. M.A.
Semester - I
ECO - DSC-511: Advanced Microeconomic Theory -I

Total Hours: 60 **Credits: 4**

Course Objectives	• To identify and explain Microeconomic concepts. • To explain theories related to the behavior of economic, Consumer Theory and Production Theory. • To explain concept and theories of Welfare economics. • To explain concept of Economics of Uncertainty, Individual Behavior towards Risk and Modern Utility Analysis.	
Course Outcomes	After successful completion of this course, students are expected to • Students will be able to demonstrate knowledge of Micro Economics. • Students will be able to understand the concept of behavioral economics, Production Theory and Consumer Theory. • To understand concepts of welfare economics and theories of Welfare economics. • To understand concepts and theories of behavioral economics, Consumer Theory and Production Theory.	
Unit	**Contents**	**Hours**
Unit I	**Consumer Theory** 1.1 Theory of Consumer Choice – Preference relation and choice structure 1.2 Indifference curve approach 1.3 Income and Substitution Effects: Slutskey and Hicksian approach 1.4 Theory of Revealed Preference 1.5 Hicksian revision of demand theory 1.6 Characteristics of goods approach 1.7 Linear expenditure system 1.8 Concept and Measurement of Consumers Surplus	15
Unit II	**Modern Utility Analysis : Risk & Uncertainty** 2.1 Economics of Uncertainty 2.2 Individual Behavior Towards Risk 2.3 Expected Utility and Uncertainty 2.4 Equivalence Approaches: Neumann – Morgenstern	15

	2.5 Method of Measuring Utility Under Risky Situations 2.6 The Friedman – Savage Hypothesis	
Unit III	**Production Theory** 3.1 Production Function: Cobb-Douglas Production Function, Leontief production function 3.2 Producer's Equilibrium with single Input and Two Inputs 3.3 Least cost combination method 3.4 Returns to scale with the Isoquants 3.5 Traditional and Modern theory of costs	15
Unit IV	**Welfare Economics** 4.1 Concept and definition of welfare economics 4.2 Pareto Optimality 4.3 Bergson-Samuelson Social Welfare Function 4.4 Compensation Criteria 4.5 Arrow's Impossibility Theorem 4.6 Amartya Sen's Collective Choice Theory	15
Study Resources	• Andreu Mas-Colell, Michael D. Whinston, and Jerry R. (1995)Microeconomic Theory ,Green Publication • H. Gravelle and R. Rees (2005) Microeconomics, Longman pub. • Hirschleifer J and A. Glazer and D Hirschleifer (2005) Price Theory and Applications, Prentice Hall of India, New Delhi. • Geoffrey A. Jehle, Philip J. Reny(2011), Advanced Microeconomic Theory, 3rd Edition (Prentice Hall) • Koutsoynies,(1985) Modern Micro economics, The Macmillan Press Ltd. • Kreps, David, M (1990) A Course in MicroeconomicTheory, Prentice Hall of India, New Delhi • Misra S.K. and V.K. Puri (2001): Advanced Microeconomic Theory, Himalay Publishing, New Delhi. • Pindyck, Robert, Rubenfeld and Prem Mehta (2009) Micro Economics, Pearson, Prentice Hall of India, New Dehli. • Sen A.(1999): Micro Economics: Theory and Applications, Oxford University Press, • Varian, Hal (1996): Intermediate Microeconomics, W.W. Norton	

	and Company, New York. • झिंगण एम.एल(2011) व्यष्टी अर्थशास्त्र, वृंदा पब्लिकेशन, दिल्ली • जहागिरदार मुक्ता (2005), आधुनिक सूक्ष्म अर्थशास्त्र, विद्या प्रकाशन, नागपूर • चव्हाण एन एल. (2017), मूलभूत अर्थशास्त्र, प्रशांत प्रकाशन, जळगाव • पाटील गंगाधर कायंदे (2003) अंशलक्षी अर्थशास्त्र,चैतन्य प्रकाशन, नागपूर • झामरे जी.एन. (2002)सूक्ष्म अर्थशास्त्र,पिंपळापुरे पब्लिशर्स, नासिक • पाटील कृष्णराव (1998) उच्चतर आर्थिक सिंद्धात, मंगेश प्रकाशन, नागपूर	

F.Y. M.A.
Semester –I
ECO - DSC-512: Advanced Macroeconomic Theory - I

Total Hours: 60 **Credits: 4**

Course Objectives	• This course aims to provide the students with knowledge of basic concepts of monetary Economics • The course will also provide knowledge about classical theory of income and employment • This course aims to provide the students with knowledge of Theories of Consumption and Investment • The course will also provide knowledge about demand for money and supply of money, value of money and National Income.	
Course Outcomes	• The course will help the students to learn about the concept of Monitory economics • The course will help the students to learn about the concept of National income and keynsian theory of employment and interest. • It may also provide the information to the students Theories of Output and Employment. • It may also provide the information to the students consumption function, investment function, rate of interest.	
Unit	**Contents**	**Hours**
Unit I	**Introduction of Macroeconomics** 1.2 Macroeconomics As Study of Aggregates 1.3 Development In Macroeconomics 1.4 National Income: Nominal, Real & Potential 1.5 Different Forms Of National Income Accounting 1.6 Circular flow of income in two sector, three sector and open economy model	15
Unit II	**The Classical Theory of Income And Employment** 2.1 The Classical Theory of Output - Say' S Law of Market, Derivation of Aggregate Supply Curve and Output , employment and price level determination in the classical theory 2.2 Implications of The Classical Theory 2.3 Keynes' Criticism of The Say's Law and The Classical Theory of	15

	Income 2.4 Principle of Effective Demand 2.5 Determination Of National Income - Total Income And Total Expenditure Approach and Saving And Investment Approach	
Unit III	**Theories of Consumption and Investment** 3.1 Income, Consumption And Saving Relationship - Keynes' Law of Consumption & Empirical Evidence On Consumption Function, Short Run And Long Run Consumption Function. 3.2 Theories of Consumption - Absolute Income, Relative Income, Life Cycle Theory and Permanent Income Theory/hypothesis 3.4 Investment Function - M.E.C. & Rate Of Interest, MEC & it's Determinant and Principles of Multiplier And Acceleration	15
Unit IV	**Supply of And Demand For Money & Rate of Interest** 4.1 Supply of Money - R.B.I. Approach To Money Supply (Measurement of Money Stock, Sources of Changes in Money Supply in India, High Powered Money, Money Multiplier and Budget deficit and money supply 4.2 Demand for Money- Classical And Neo –Classical Approach, Keynes Liquidity Preference Approach, Patinkin And Real Balance Effect, Fridman's Quantity Theory of demand for Money and Tobin's approach demand for money	15
Study Resources	• Ackeley, G. (1978), Macroeconomics Theory And Policy • Branson, W.A. (1989), Macroeconomics Theory And Policy', (3rd Edition. Haeper And Row New York • Dwivedi D.N.(2018), Macroeconomic : Theory & Policy' Mcgraw Hill Companies • Eugene A. Diulio (1998), Schaum's Outline of Macroeconomics Paperback, McGraw Hill • Errol D'Souza (2009), Macroeconomics ,Pearson Education, India • 4Gupta Suraj B.(2002) Monetary Economics : Institutions, Theory & Policy, S Chand & Company Ltd. New Delhi • Heijdra. B.J. And V.P. Fredrick(2001), Foundations Of Modern Macroeconomics' Oxford University Press New	

	Delhi • Hall R.E. And J.B. Taylor (1986), Macroeconomic, W.W. Norton, New York • Kulkarni Kishore G. (1999)Modern Monetary Theory, Macmillan India Ltd. • . Laurence Harries (1985), Monetary Theory, Mcgraw Hill International Editions • Mankiew Gregory N.(2015), Principles of Macroeconomics, Cengage Learning India Pvt. Ltd. • Rudiger Dornbusch, Stanely, Fischer, Richard Startz (2001), • Macroeconomic' Tata Mcgraw Hill Publishing Ltd. New Delhi, (8th Edition) • Shapiro, E.(1996) Macroeconomics Analysis'. Galgotia Publication, New Delhi • देशमुख राम (2011) आधुनिक स्थूल अर्थशास्त्र , विद्या प्रकाशन , नागपूर • पाटील ज .फा (संपादित)(2011) साकलिक आर्थिक विश्लेषण , फडके प्रकाशन, कोल्हापूर • दातीर आर.के,लोमटे जी .जे.उशीर डी जी. (2018) स्थूल अर्थशास्त्र, निराली प्रकाशन, पुणे • झिंगण एम.एल(2011) समष्टी अर्थशास्त्र, वृंदा पब्लिकेशन, दिल्ली	

F.Y. M.A.
Semester –I
ECO - DSC-513: Mathematical Economics

Total Hours: 60 **Credits: 4**

Course Objectives	• This course aims to provide the students with knowledge of basic concepts of Mathematics • To transmit the body of basic mathematics that enables the study of economic theory. • To facilitate the understanding of the basic concepts of Economics with the help of Mathematics. • To encourage students to analyze economic theories by mathematical methods.	
Course Outcomes	• The paper is useful for the students for illustrating concepts of economics by mathematical techniques. • Helpful to understand more advanced branches of economics like econometrics, quantitative techniques etc. • The course will help the students to learn about the concept of Economics with the help of Mathematics. • The course will also provide knowledge about economic theories by mathematical methods.	
Unit	**Contents**	**Hours**
Unit I	**Preliminaries** 1.1 Sets and set operations relations 1.2 functions and their properties 1.3 Number systems 1.4 Constant and parameters 1.5 Sequence and series 1.6 Elementary ideas of differential and integral calculus	15
Unit II	**Functions of one real variable** 2.1Types of functions- constant, polynomial, rational, Exponential & logarithmic 2.2 Graphs and graphs of functions 2.3 Limit and continuity of functions 2.4 Limit theorems	15

	2.5 Difference and differential equations 2.6 Quadratic equations	
Unit III	**Derivative of a function** 3.1 Rate of change and derivative 3.2 Derivative and slope of a curve 3.3 Continuity and differentiability of a function 3.4 Rules of differentiation for a function of one variable 3.5 Application- Relationship between total, average and marginal functions 3.6 Uses of derivative in economics	15
Unit IV	**Functions of two or more independent variables & Matrices and Determinants** 4.1 Partial differentiation techniques 4.2 Geometric interpretation of partial derivatives 4.4 Elasticity of a function – demand and cost elasticity, cross and partial elasticity 4.5 Matrices and Determinants 4.6 Matrices: concept, types, matrix algebra, transpose, inverse & rank 4. 7 Determinants: concept, properties, solving problems using properties of determinants	15
Study Resources	• Allen, R.G.D.(1979), Macro-Economic Theory: A Mathematical Treatment, the Macmillan Press Ltd, London and Basingstoke • Allen, R.G.D. (2000), Mathematical Analysis for Economists, Macmillan India Limited, Daryaganj, New Delhi-110 002 • C. Chiang and K. Wainwright (2005): Fundamental Methods of Mathematical Economics, McGraw Hill International Edition • Anthony M. & Biggs N.(2000) , Mathematics for Economics and Finance, Cambridge University Press, New York, NY-10011-4211 • Baldani J., Brandfield J. & Turner R. W.(2007), An	

	Introduction to Mathematical Economics, South-Western, a Part of Cengage Learning Private Limited, Patpargang, New Delhi-110 092 • Bose D. (2018), An Introduction to Mathematical Economics, Himalya Publishing House Pvt Ltd, Girgaon, Mumbai-400 004 • Bradeley T. & Patton P.(2018), Essential Mathematics for Economics and Business, Wiley India (P.)Ltd, Daryaganj, New Delhi-110 002 • Chiang A. C. & Wainwright K.(2017), Fundamental Methods of Mathematical Economics, McGraw-Hill Education(India) Edition, Porur, Chennai-600 116 • K. Sydsaeter and P. J. Hammond (2002): Mathematics for Economic Analysis. Pearson Educational Asia • T. Yamane(2012) : Mathematics for Economists, Prentice • शेवाळे आनंद आणि बेलुरे विशाल (2022) गणितीय अर्थशास्त्र व अर्थमिती,विद्या बुक्स पब्लिशर्स, औरंगाबाद.	

F.Y. M.A.
Semester - I
ECO - DSC-514: Agricultural Economics -I

Total Hours: 30 **Credits: 2**

<table>
<tr><td>Course Objectives</td><td colspan="2">

To overview of Indian Agricultural Sector.
To explain the concepts of The Structure of Agrarian System, Farming Systems and Role of Agriculture in Economic Development.
To overview Nature of India’s Agriculture, Government Policy’s and Problems Related to Indian Agricultural Sector, Irrigation and Water Management.
To explain the concepts of Agricultural Input-Output, Factors and Production Relationships.
</td></tr>
<tr><td>Course Outcomes</td><td colspan="2">

Students will be able to demonstrate knowledge of Indian Agricultural Sector.
Students will be able to understand the concept of Agrarian System, Farming Systems and Role of Agriculture in Economic Development.
To understand concepts of Government Policy’s and Problems Related to Indian Agricultural Sector, Irrigation, Water Management and Nature of India’s Agriculture.
By the end of the course, students will be able to demonstrate an understanding of Agricultural Input-Output Relationships, Factors Relationships and Production Relationships.
</td></tr>
<tr><th>Unit</th><th>Contents</th><th>Hours</th></tr>
<tr><td>Unit I</td><td>Introduction
1.1 Meaning, Nature and Importance of Agricultural Economics
1.2 Role of Agriculture in Economic Development
1.3 The Structure of Agrarian Systems In The Developing & Developed World
1.4 Commercialization and Modernization of Agriculture</td><td>8</td></tr>
<tr><td>Unit II</td><td>Indian Agriculture Sector
2.1 An Overview of Indian Agricultural Sector
2.2. Special Categories of Farming - Organic Farming, Protected (Greenhouse) Agriculture and Genetically Modified (GM) Crops
2.3 Industrial Agriculture, Cooperative Farming, Contract Farming</td><td>6</td></tr>
</table>

	and State Farms	
Unit III	**Agricultural Inputs** 3.1 Nature and Importance of Agricultural Inputs. 3.2 Agricultural Inputs: Land, Agricultural Labor and Water 3.3 Problems Related to Irrigation and Water Management	8
Unit IV	**Input-Output, Factor, and Product Relationships** 4.1 Input-Output Relationships: Stock and Flow of Resources – Production Relationships 4.2 Cobb-Douglass Production Function - Elasticity of Substitution Production Function - Cobweb Theorem. 4.3 Factor-Factor Relationship: Iso-product Line - Factor-Factor Relationships - Product-Product Relationships. 4.4 Relationships: Relationship between Enterprises - Production Possibility Curve - Optimum Combination of Enterprises.	8
Study Resources	• Ashok Rudra (1982), Indian Agricultural Economics, Myths and Realities, Allied Publishers Mumbai • Bilgrami S.A.R.(2018) An Introduction to Agricultural Economics, Himalaya Publishing House, Mumbai. • Dandekar V.M.(1996), The Indian Economy 1947-92 Vol 1: Agriculture, Sage Publishing House, Mumbai. • Lekhi R.K., &Joginder Singh(2015), Agricultural Economics, Kalyani Publishers, New Delhi. • Sadhu A.N and Singh Amarjit (2016), Fundamentals of Agricultural Economics, Himalaya Pub., House, New Delhi. 6. Schultz T.W. Economic Growth and Agriculture, McGraw Hill, New York. • Shivanna T.(2005), (Ed), Sustainable Agricultural Development in India, Southern Economist Publication, Bangalore. • C.S.Prasad (Ed.), Sixty years of Indian Agriculture: 1974 to 2007, New Century Books. • Subsidies in India: Rishi Muni Diedi, New Century Books. • Harish Nayyar& P. Ramasamy, Globalization & Agricultural Marketing.	

	• Indian Journal of Agricultural Economics. • पाटील के. एम.,कृषी उत्पादनाचे अर्थशास्त्र, • कविमंडन विजय (2004) कृषी अर्थशास्त्र, विद्या प्रकाशन, नागपूर • पाटील शांता आणि पाटील लीला,कृषी अर्थशास्त्राची मुलतत्वे,	

F.Y. M. A.
Semester –I
ECO -DSE-515 (A): Economics of Environment

Total Hours: 60 **Credits: 4**

Course Objectives	• To familiarize students with the Environmental values • 2. To highlight the importance of environment in the process of development • 3. To elucidate different theories of environmental policy • 4. To emphasize the environmental problem in India	
Course Outcomes	• Students would understand the Environmental values. • Students will know the role of environment in the process of development. • Students will have an idea about sustainable development & natural resource management. • Learners will be familiar with the concept and theories of welfare	
Unit	**Contents**	**Hours**
Unit I	**Concept and Measurement of Environmental Values** 1.1 Concept, Meaning and types of environment 1.2 Effects of environment on human lives, Use values; Option values and nonuse values 1.3 Valuation methods: Methods based on observed market behavior, Travel cost method and Household Health Production Function –(Hedonic property values and household production models), Methods based on response to hypothetical markets, Contingent valuation methods.	15
Unit II	**The Theory of Environmental Policy** 2.1 Environmental externalities 2.2 Marketable pollution permits and mixed instruments. 2.3 Informal regulation and the new model of pollution control 2.4 Environmental institutions and grass root movements 2.5 Global environmental externalities and climatic change, Environment in WTO regime	15
Unit III	**Natural Resource Management and Sustainable Development** 3.1 Theories of optimal use of exhaustible & renewable Resources.	15

	3.2 Environmental & development trade off. 3.3 Sustainable development: Meaning, objectives and Goals 3.4 Integrated environmental & economic accounting, The measurement of environmentally corrected GDP, Macroeconomic policies & environment	
Unit IV	**Environmental Problems in India** 4.1 Mechanism for environment regulation in India 4.2 Environmental Laws and their implementation 4.3 Policy instruments for controlling water & air pollution. 4.4 Social forestry — rationale and benefits 4.5 Human capital vs. Physical capital 4.6 Environment Education in controlling pollution 4.7 Environmental Educational in India	15
Study Resources	• Baumol, W.J. and W.E. Oates (1988), The Theory of Environmental Policy, (2nd Edition),Cambridge University Press, Cambridge. • Berman, P. (Ed.) (1995), Health Sector Reform in Developing Countries : Making Health Development Sustainable, Boston: Harvard Series on Population and International Health. • Blaug, M. (1972), Introduction to Economics of Education, Penguin, London • Bromely, D.W. (Ed.) (1995), Handbook of Environmental Economics, Blackwell, London. Cohn, E. and T. Gaske (1989), Economics of Education, Pergamon Press, London. • Fisher, A.C. (1981), Resource and Environmental Economics, Cambridge University Press, Cambridge. • Hanley, N., J.F. Shogern and B. White (1997), Environmental Economics in Theory and Practice, Macmillan. • Hussen, A.M. (1999), Principles of Environmental Economics, Routledge, London. • Jeroen, C.J.M. van den Bergh (1999), Handbook of Environmental and Resource Economics, Edward Elgar	

	Publishing Ltd., U.K. • Kolstad, C.D. (1999), Environmental Economics, oxford University Press, New Delhi. • Kolstad C.D.(2011), Intermediate Environmental Economics: International Edition Published • Pearce, D.W. and R. Turner (1991), Economics of Natural Resource Use and Environment, John Hopkins University Press, Baltimore. • Sankar, U. (Ed.) (2001), Environmental Economics, Oxford University Press, New Delhi • Zhingan M.L (2015), Environmental Economics(Theroy, Management & Policy) Vrinda Publications N Delhi • मिश्रा जे.पी (2019) आर्थिक पर्यावरण,साहित्य भवन पब्लिकेशन आगरा • माहेस्वरी पी.डी,गुप्त शिलचंद्र (2018)भारत मे आर्थिक पर्यावरण,कैलास पुस्तक सदन,भोपाल • रसाळ आर.जी,वैद्य एस.जी,अभंग एस.बी ,आढाव एस.पी (2018)भारतीय आर्थिक पर्यावरण, प्रशांत पब्लिकेशन, जळगाव	

F.Y. M. A.
Semester –I
ECO -DSE-515 (B): Demography

Total Hours: 60 **Credits: 4**

Course Objectives	• Understanding various concepts of demographic studies. • Understanding the qualities of population. • To understand population policy in India. • Understand population trends in world.	
Course Outcomes	• Students will able to understand crucial concepts of demographic studies. • Learn important qualities of population. • Learn recent population policy in India. • Students will able to understand size and growth of world population	
Unit	**Contents**	**Hours**
Unit I	**Introduction to Demography** 1.1 Demography- meaning, nature, scope and importance; 1.2 Theories of population – Malthus, 1.3 Optimum theory of population, Theory of demographic transition 1.4 Components of population growth and their interdependence.	15
Unit II	**Population and Development in India** 2.1 Population and economic development, 2.2 The Concept of quality of population, Factors affecting Quality of Population 2.3 Measures of Crude Birth Rate, General Fertility Rate, Total Fertility Rate, Reproduction Rate, Gross Reproduction Rate and Net Reproduction Rate 2.4 Crude Death Rate – Infant Mortality, Life expectancy.	15
Unit III	**Trends in World Population** 4.1 Population Trends in Recent Years, 4.2 Population Explosion, Pattern of age and Sex Structure in developed and developing nations; 4.3 Determinants of Age and Sex Structure – Age Pyramids and Projections;	15

	4.4 Human Development Index; Gender Equality	
Unit IV	**Population Policy in India** 3.1 Population Trends in Recent Years in India, 3.2 Evolution of Population Policy, 3.3 Woman Empowerment, Family Planning Programs and its Consequences, 3.4 Policies related to Health, Nutrition, Education, Training.	15
Study Resources	• Agarwal S.N. (1972) , India's Population Problem , Tata McGraw- Hill, Co. Mumbai • Bogue, D.J. (1971) , Principles of Demography, John Wiley , New York • Bose, A (1996) India's Basic Demographic Statistics, B.A. Publishing Corporation, New Delhi. • Chenery H. and T.N. Srinivasan (Eds.) (1989), Hand Book of Development • 5Choubey,P.K. (2000), Population Policy in India, Kanishka Publications , New Delhi • Coale A. J. and L.M. Hoover (1958) , Population Growth and Economic Department of Commerce, Washington D.C. • Majumdar, P.K. (2010): Fundamentals of Demography, Rawat Publications, New Delhi • Ragavender, B.V. (2014): Migration: Causes, Consequences and problems, Abhijeet Publications, New Delhi • Srinivasan, K. (1998), Basic Demographic Techniques and Applications Sage, New Delhi • रिठे महादेव, कुटे संतोष (2019),लोकसंख्याशास्त्र, प्रशांत पब्लिकेशन, जळगाव • कुलकर्णी अविनाश (2019) लोकसंख्याशास्त्र, डायमंड पब्लिकेशन, पुणे • डा.धो.काचोळे (2001) लोकसंख्याशास्त्र, कैलाश पब्लिकेशन, औरंगाबाद	

F.Y. M. A.
Semester –I
ECO - RM -516: Research Methodology in Economics

Total Hours: 60 **Credits: 4**

Course Objectives	• To acquaint students with research and social research. • To give an idea about the research design, hypothesis and literature survey. • Understanding various sources of data collection • To familiarize students with the sampling techniques used in research	
Course Outcomes	• Learner will acquaint with different types and identify research problem.. • Learner will able to follow the steps in research design. • Students will able to understand analysis of data • Learner will able to identify Sampling techniques and data collection in research	
Unit	**Contents**	**Hours**
Unit I	**Introduction to Economic Research** 1.1 Social science Research: Concept, types and research approaches 1.2 Economic Research: Objectives, nature, importance and limitations 1.3 Formulation of research problem: Selecting the problem, necessity of defining problem, problem definition process, techniques involved in defining a problem 1.4 Objectives and Hypothesis: Concept, function, types of hypothesis: Null/alternative hypothesis and Importance 1.5 Research gaps and Review of literature: Necessity, purpose and Sources	15
Unit II	**Research Design and data collection** 2.1 Research Design - Objectives, need, features and stages involved in designing research, 2.2 Types of Research Design: Exploratory, Descriptive Diagnostic, Experimental and Importance. 2.3 Qualitative and Quantitative Research: Concept of measurement, Causality, Generalization, Replication 2.4 Data collection – Primary and Secondary Data and Sources of Primary and Secondary Data	15

	2.5 Sampling Technique – Base of Sampling, sampling process, and types of sampling methods: Probability and Non-probability	
Unit III	**Analysis of Data** 3.1 Classification: Objectives and types 3.2 Tabulation: Characteristics, Types and interpretation (excel application) 3.3 Graphs, Diagrams and Pie Chart:Types and importance, (Excel application) 3.4 Hypothesis Testing: Concepts and procedure, dispersion and correlation, percentage, Bi-Variate presentation; 3.5Hypothesis Testing- i) Z-Test ii) T-Test iii) Chi-square Test iv) F-Test	15
Unit IV	**Research Report and Research ethics** 4.1 Research Report: Characteristics, contents and precautions in report writing 4.2 Use of Footnotes, text note, end note, bibliography, citation, presentation of tables, charts, maps 4.3 Plagiarism: Concepts and importance of Plagiarism 4.4 Ethics: Ethical consideration in research 4.5 Intellectual Property Right: Patents, designs, trade and copy right and types and features of IPR	15
Study Resources	• Guthrie Gerard (2010): Basic Research Methods: An Entry to Social Science Research, Sage Publications, New Delhi. • Kothari C.R.(2004) : Research Methodology: Methods and Technique, New Age International Publishers. • Kumar Ranjit (2014): Research Methodology: A Step By Step Guide for Beginners, SagePublications, New Dehli. • Krishnaswamy K N. and M. Ranganathan (2005): Methodology of Research in Social Sciences, Himalaya Publishing House • आगलावे प्रदीप ” (2001) सामाजिक संशोधन पद्धत्ती शास्त्र व तंत्र ,“श्री साईनाथ प्रकाशन, नागपूर • कुलकर्णी बी.डी आणि ढमढेरे.एस(2007) अर्थशास्त्रीय संशोधन पद्धत्ती”,डायमंड पब्लिकेशन,पुणे • खैरनार दिलीप (2009)प्रगत सामाजिक संशोधन पद्धत्ती व सांख्यिकी, श्री	

	साईनाथ प्रकाशन, नागपुर • पाटील.वा (2010) संशोधन पद्धत्ती ,प्रशांत पब्लिकेशन, जळगाव		

S.Y.M.A. ECONOMICS SEMESTER-II

F.Y. M.A.
Semester - II
ECO - DSC-521: Advanced Microeconomic Theory -II

Total Hours: 60 **Credits: 4**

Course Objectives	• To identify basic principles and concepts of Micro Economics. • To explain theories of strategic models of Duopoly and Oligopoly. • To explain concept and theory's of Monopoly and Monopolistic competition. • To understand concept of Game theory's.	
Course Outcomes	• Students will be able to demonstrate knowledge of Micro Economics. • Students will be able to understand the concept and strategic model of Oligopoly and Duopoly. • Students will be able to understand the concept and theories of Monopoly and Monopolistic competition. • Students will be able to understand concept of Game Theory.	
Unit	**Contents**	**Hours**
Unit I	**Market Power and Price Discrimination** 1.1 Market Power- Market Power and Pricing, Measurement and Determinants of Market Power 1.2 The Determinants of Dead weight Loss, Market Power and Public Policy 1.3 Non-Linear Pricing and Price Discrimination, Examples of Price 1.4 Discrimination and Mechanisms for Capturing Surplus 1.5 Market Power and Arbitrage: Necessary Conditions for Price Discrimination. 1.6 Types of Price Discrimination: First Degree Price Discrimination, Second Degree Price Discrimination, Third Degree Price Discrimination	15
Unit II	**The Theory's of oligopoly & Duopoly** 2.1 Strategic Models of Duopoly- Cournot Model, Bertrand Model, Edgeworth Model and Stackelberg Model 2.2 Oligopoly Models - Collusive Oligopoly, Model of Price Leadership,Model of Price War and Model of Kinked Demand Curve	15

Unit III	**Game Theory and Theories of Distribution** 3. 1 Game Theory- Two Person Zero Sum Game, Non- Zero- Sum-Game Model, Co-Operative Games and Non Co-Operative Games 3.2. Marginal Productivity Theory Of Distribution 3.3. Modern Theory of Rent 3.4. Modern Theories Of Wages and Employment Determination 3.5. Theories Of Interest Rate- Loanable Funds Theory and Time Preference Theory 3.6. Theories of Profit - Theory of Innovation	15
Unit IV	**Imperfect Markets** 4.1. Asymmetric Information: Markets for Lemons 4.2. Moral Hazard 4.3. Adverse Selection: Incomplete Information 4.4. Signaling	15
Study Resources	• Hirschleifer J and A. Glazer and D Hirschleifer (2005) Price Theory an Applications, Prentice Hall of India, New Delhi. • Kreps, David, M (1990) A Course in Microeconomic Theory, Prentice Hall of India,New Delhi. • Church J R.(1999) Industrial Organization: A Strategic Approach Ware Published • Misra S.K. and V.K. Puri (2001) Advanced Microeconomic Theory, Himalaya Publishing House, Mumbai. • Pindyck, Robert, Rubenfeld and Prem Mehta (2009) MicroEconomics, Pearson, Prentice Hall of India, New Dehli. • Sen, A.(1999) Micro Economics: Theory and Applications, Oxford University Press, New Delhi. • Varian, Hal (1996) Intermediate Microeconomics, W.W. Norton and Company, New York. • झिंगण एम.एल(2011) व्यष्टी अर्थशास्त्र, वृंदा पब्लिकेशन, दिल्ली • जहागिरदार मुक्ता (2005), आधुनिक सूक्ष्म अर्थशास्त्र, विद्या प्रकाशन,	

	नागपूर • चव्हाण एन एल. (2017), मूलभूत अर्थशास्त्र, प्रशांत प्रकाशन, जळगाव • पाटील गंगाधर कायंदे (2003) अंशलक्षी अर्थशास्त्र,चैतन्य प्रकाशन, नागपूर • झामरे जी.एन. (2002)सूक्ष्म अर्थशास्त्र,पिंपळापुरे पब्लिशर्स, नासिक • पाटील कृष्णराव (1998) उच्चतर आर्थिक सिंद्धात, मंगेश प्रकाशन, नागपूर	

F.Y. M.A.
Semester –II
ECO – DSC-522: Advanced Macroeconomic Theory - II

Total Hours: 60 **Credits: 4**

<table>
<tr><td>Course Objectives</td><td colspan="2">This course aims to provide the students with knowledge of Neo-Classical and Keynesian Synthesis of income and employment.
The course will also provide knowledge about Theory of Inflation & Unemployment.
To understand theories of business Cycles.
To explain Economic Stabilization and Macro Economic Policies.</td></tr>
<tr><td>Course Outcomes</td><td colspan="2">Students will be able to demonstrate knowledge of Macro Economics.
Students will be able to understand the of Neo- Classical and Keynesian Synthesis of income and employment
Students will be able to understand the concept and theories of of Inflation & Unemployment.
Students will be able to understand Theories of business Cycles and Economic Stabilization and Macro Economic Policies</td></tr>
<tr><th>Unit</th><th>Contents</th><th>Hours</th></tr>
<tr><td>Unit I</td><td>Neo- Classical And Keynesian Synthesis
1.1 The Transmission Mechanism
1.2 Equilibrium In Commodity Market & Money Market: IS – LM Model, Derivation of IS Curve And LM Curve and Changes in IS & LM Curves
1.3 IS –LM Model and Derivation of Aggregate Demand
1.4 Equilibrium of The Economy: Aggregate Demand & Aggregate Supply Curve approach, Determination of GDP & The Price Level In The Short Run & The Long Run, Isolated & Repeated Supply Shocks With & Without Monetary Accommodation
1.5 Money - Views of monetarist and Keynesian schools , Relative Effectiveness of Monetary and Fiscal Policies</td><td>15</td></tr>
<tr><td>Unit II</td><td>Theory of Inflation & Unemployment
2.1 Inflation: Meaning And Measures
2.2 Classical, Keynesian And Monetarist Approaches to Inflation</td><td>15</td></tr>
</table>

	2.3 Structural Theories Of Inflation 2.4 Inflation & Rate Of Unemployment: Philips Curve Analysis, Tobin's Modified Philips Curve, Samuelson And Solow: The Natural Rate of unemployment Hypothesis 2.5 Adaptive Expectations And Rational Expectations Theory 2.6 Stagflation and Supply Side Economics 2.7 Deflation: Meaning, causes and effects	
Unit III	**Theories of business Cycles** 3.1 Concepts and Phases of Business Cycles 3.2 Theories of Business Cycles - Keynesion theory, Schumpeterion theory Samuelson's theory, Hicks' theory, Kaldor's theory and Marx's approach(under consumption)	15
Unit IV	**Economic Stabilization and Macro Economic Policies** 4.1 Goals of Macroeconomics Policy & Conflicts Between Micro and Macro Economics policies 4.2 Macro Policy in The World of Perfect Capital Mobility 4.3 Monetary Policy - Working and limitations of tools of Monetary policy, Monetary targets and Monetary rules and Recent monetary and credit policy of RBI 4.4 Fiscal Policy- Meaning and instruments of fiscal policy, Discretionary Non-discretionary fiscal policy, Automatic stabilizers and The Balanced Budget Multiplier 4.5 Policy Changes With Fixed & Floating Exchange Rates. Merits and demerits of fixed & floating exchange rate and Mundell- Fleming model for open economy	15
Study Resources	• Ackeley, G 'Macroeconomics Theory And Policy' (1978) • Branson, W.A 'Macroeconomics Theory And Policy', (3rd Edition. Haeper And Row New York (1989 • Dwivedi . D.N.() , **'**Macroeconomic : Theory & Policy' Mcgraw Hill Companies • Gordon, R And S.G. Harries (1998) 'Macroeconomics', Addison Wesley • Gergory N. Mankiw, Thomson() 'Principles Macroeconomic' (4th Edition • Gupta Suraj B.(2002) : 'Monetary Economics : Institutions,	

Theory & Policy' S Chand & Company Ltd. New Delhi

- Hall R.E. And Taylor J.B. (1986)'Macroeconomic',W.W.Norton, New York
- Heijdra. B.J. And V.P. Fredrick (2001), Foundations of Modern Macroeconomics' Oxford University Press New Delhi
- Khanna Preminder (2005) 'Advanced Study In Money & Banking , Atlantic, New Delhi
- Kulkarni Kishore G., 'Modern Monetary Theory', Macmillan India Ltd. (1999)
- Laurence Harries (1985), Monetary Theory', Mcgraw Hill International Editions
- Lipsey R.G. &K.Alec Chrystal, (2005)'An Introduction To Positive Economics ', (10th Edition)
- Mueller, M.G.(1966) 'Reading In Macroeconomics' Holt Rinechart And Winston, New York
- Rao M. J.Manohar,Nallari Raj (20010 Macroeconomic stabilization and adjustment, Publisher, Oxford University Press,
- Powelson J.P.(1960), 'National Income And Flow Of Funds Analysis' Mc graw Hill, New York
- Rudiger Dornbusch, Stanely, Fischer, Richard Startz (2001), 'Macroeconomic' (8th Edition), Tata Mcgraw Hill Publishing Ltd. New Delhi
- Shapiro E. (1996), 'Macroeconomics Analysis', Galgotia Publication, New Delhi
- देशमुख राम (2011) आधुनिक स्थूल अर्थशास्त्र, विद्या प्रकाशन, नागपूर
- पाटील ज .फा (संपादित) (2011) साकलिक आर्थिक विश्लेषण , फडके प्रकाशन, कोल्हापूर
- दातीर आर.के,लोमटे जी .जे.उशीर डी जी. (2018) स्थूल अर्थशास्त्र, निराली प्रकाशन, पुणे
- झिंगण एम.एल (2011) समष्टी अर्थशास्त्र, वृंदा पब्लिकेशन, दिल्ली

F.Y. M.A.
Semester –II
ECO - DSC-523: Statistical Methods

Total Hours: 60 **Credits: 4**

<table>
<tr><td>Course Objectives</td><td colspan="2">This course introduces students various basic statistical concepts.
To provide basic knowledge of dispersion
To understand tools of correlation.
To aware about various price indices.</td></tr>
<tr><td>Course Outcomes</td><td colspan="2">Learn basic basic concepts of statistics.
Able to understand use of dispersion.
Learn use correlation in different fields in real life.
Students will able to understand different price index in economy.</td></tr>
<tr><td>Unit</td><td>Contents</td><td>Hours</td></tr>
<tr><td>Unit I</td><td>Introduction to Statistics and Central Tendency
1.1 Introduction to Statistics: Concept, Scope, importance and Limitations
1.2 Data – Concept, Types, Data Arrangement, Data Presentation and Data Interpretation
1.3 Measures of central tendency: Introduction, Arithmetic Mean, Median, Mode and Weighted Mean
1.4 Geometric Mean and Harmonic Mean, Merits and Demerits of Central tendency of each types</td><td>15</td></tr>
<tr><td>Unit II</td><td>Measures of Dispersion
2.1 Introduction to dispersion: Range, Quartile deviation, Mean deviation, Standard deviation and Merits and demerits of dispersion of each type
2.2 Lorenz curve and Gini coefficient</td><td>15</td></tr>
<tr><td>Unit III</td><td>Correlation
3.1 Correlation – Meaning, Types and Scatter diagram
3.2 Karl Pearson’s coefficient of correlation
3.3 Spearman rank correlation of coefficient</td><td>15</td></tr>
<tr><td>Unit IV</td><td>Index Numbers
4.1 Index Numbers – Meaning,Uses and Problems in Construction of Index number</td><td>15</td></tr>
</table>

	4.2 Weighted index numbers: Laspeyres Methods, Paasche Method,Fishers Ideal Method, Quantity Index numbers an Unweighted index numbers 4.3 Cost of living Index Numbers 4.4 Limitation of Index Numbers	
Study Resources	• Gupta S. P. (2017), Elementary Statistical Methods, Sultan Chand & Sons, New Delhi. • Pillai R.S.N. & Bagavathi (2018), Statistics – Theory & Practice, S. Chand & Co. Ltd. New Delhi. • Gupta S. P. (2017), Statistical Methods, Sultan Chand & Sons, New Delhi • Gupta S. C. (2017): Fundamentals of Statistics, Himalaya Publishing House, Delhi • Anderson, D. R., Sweeney, D. J., Willams, T. A., Camm, J. D., & Cochran, J. J. (2020)Statistics for Business and Economics (13th Ed.) New Delhi: Cengage. • Jaggia, S., & Kelly, A. (2013) Business Statistics (12th Ed.). : McGraw Hill Education. New Delhi • Spiegel, M. R., & Stephens, L. J. (2017) Schaum's Outline of Statistics, (6th Ed.). McGraw-Hill Education. • Upton, G., & Cook, I. (2014) A Dictionary of Statistics (3rd Ed.). Oxford New ,Delhi • कोंडेवार, यु. बी.,आणि कोंडेवार, स्मिता (2010) सांख्यिकी आणि संख्यात्मक तंत्र, शोभा भारती प्रकाशन, अहमदपूर • शेवाळे आनंद, पवार आणि शबनम (2019) संख्यात्मक तंत्रे व संशोधन पद्धती,विद्या बुक्स पब्लिकेशन्स,औरंगाबाद • देशमुख राम (2019) मुलभूत सांख्यिकी, विद्या बुक प्रकाशन, नागपूर	

F.Y. M.A.
Semester –II
ECO - DSC-524: Agricultural Economics - II

Total Hours: 30 **Credits: 2**

<table>
<tr><td>Course Objectives</td><td colspan="2">To Overview of Indian Agricultural Sector.
To explain the concepts of New Technology's in Agriculture, Mechanization of Agriculture and Genetically-Modified Seeds in India.
To Overview Principles of Farm Management, Nature of India's Agriculture, Risk and Uncertainty.
To explain the concepts of WTO and Indian Agriculture, The Agreement on Agriculture, Advantages and Disadvantages of WTO in Indian Agriculture.</td></tr>
<tr><td>Course Outcomes</td><td colspan="2">Students will be able to demonstrate knowledge of Indian Agricultural Sector.
Students will be able to understand the concept of Farm Management, Nature of India's Agriculture, Risk and Uncertainty.
To understand concepts of New Technology's in Agriculture, Mechanization of Agriculture and Genetically-Modified Seeds in India.
To understand concept of WTO and Indian Agriculture, The Agreement on Agriculture, Advantages and Disadvantages of WTO in Indian Agriculture.</td></tr>
<tr><th>Unit</th><th>Contents</th><th>Hours</th></tr>
<tr><td>Unit I</td><td>Economics of Agriculture Production
1.1 Nature of India 's Agriculture
1.2 Risk And Uncertainty: Nature, Effects And Measurement
1.3 Principles Of Farm Management - Law of Production, Cost Function and Equi-Marginal Production</td><td>6</td></tr>
<tr><td>Unit II</td><td>Technology in Agriculture
2.1 Strategy of Agricultural Development and Technological Progress
2.2 Factors in new technology in Agriculture
2.3 Impact of technological changes on Agricultural Production
2.4 Genetically-Modified Seeds in India
2.5Climate Change and its impact on agriculture</td><td>8</td></tr>
<tr><td>Unit III</td><td>WTO and Indian Agriculture
3.1The Agreement on Agriculture (AOA)</td><td>8</td></tr>
</table>

	3.2 Export Subsidies Commitment 3.3 Special and Differential Treatment 3.4 Implementation of the AOA 3.5Advantages and Disadvantages of WTO in relation to Indian Agriculture	
Unit IV	**Management of Livestock Diversity and Animal Genetic Resources** 4.1Characterization of Animal Genetic Resources 4.2 Benefits and Uses of Livestock Diversity 4.3 Values of Animal Genetic Resources 4.4 Threats to Livestock Diversity 4.5 Current State of the India's Animal Genetic Resources	8
Study Resources	• Ahuja Astha (), Agriculture & Rural Development in India, New Century Books. • Bilgrami S.A.R.(1996): Agricultural Economics, Himalaya Publishing House, Delhi • Dantwala M.L. (1991), Indian Agricultural Development Since Independence, Oxford and FBH, New Delhi. • Dhawan D. S., (1988) Irrigation in Indian Agriculture Development, Saga Publication, New Delhi. • Kahlon A. S. and Tyagi D. S. (1983), Agricultural Price Policy in India, Allied Publishers, Bombay • Rudra A.(1982), Indian Agricultural Economics Myths and reality, Allied Publishers, New Delhi. • Merlinda D. Ingco& John D. Nash, Agriculture and WTO (Creating & Trading System for Development) • C.S.Prasad (Ed.), Sixty years of Indian Agriculture: 1974 to 2007, New Century Books. • Subsidies in India: Rishi Muni Diedi, New Century Books. • Indian Journal of Agricultural Economics. • पाटील के. एम.,कृषी उत्पादनाचे अर्थशास्त्र, • कविमंडन विजय (2004) कृषी अर्थशास्त्र, विद्या प्रकाशन, नागपूर • पाटील शांता आणि पाटील लीला,कृषी अर्थशास्त्राची मुलतत्वे,	

F.Y. M. A.
Semester –II
ECO -DSE -525: (A) Political Economy in India

Total Hours: 60 **Credits: 4**

Course Objectives	• To introduce students to some of the key issues relating to state and economic development in India. • To understand historical evolution of state of India. • To identify agrarian crisis in India. • To sensitize students about different social and environmental issues.	
Course Outcomes	• Students able to understand in development process in India. • Learn historical journey of India. • Students will understand issue of agrarian crisis India. • Learn various social and environmental movements in India.	
Unit	**Contents**	**Hours**
Unit I	**Understanding Political Economy** 1.1 Political Economy : Meaning , Definition and Scope of Political Economy 1.2 Classical and Contemporary Approaches to Political Economy 1.3 New Political Economy 1.4 State and economic change	15
Unit II	**State in India** 2.1 Historical Evolution of State 2.2 Economic Planning 2.3 Public Sector in India 2.4 State in the Contemporary Sphere	15
Unit III	**Agriculture and Industry** 3.1 Agriculture: Agrarian Relations and Land Reforms 3.2 New Agricultural Strategy and Green Revolution 3.3 Agrarian Crisis Unit 3.4 Industry: Inward Oriented /Import Substituting 3.5 Industrialization and Licence Permit Raj 3.6 Industrial Policy Reforms 3.7 Economic Liberalization and Impact on Labour	15

Unit IV	**Social Movements in India and Contemporary Concerns** 4.1Social Movements in India: Tribals, Women, Dalits and Environment movements 4.2 Contemporary Concerns: Conflicts over Water, Food Security, Digital Divide and Banking Crisis	15
Study Resources	• Brass, Paul R. (1992), The Politics of India Since Independence, Cambridge University Press, Cambridge • Caporaso, James A,(1992) Theories of Political Economy,Cambridge University Press • Chatterjee, Partha (1997): A Possible India: Essays in Political Criticism, Oxford University Press, Delhi. • Frankel, Francine R (2009): India's Political Economy: 1947 - 2004 : The Gradual Revolution, Princeton University Press, Princeton. • Das, Arvind N. (1994): India Invented: A Nation in the Making. Manohar, New Delhi. • Khilnani, Sunil (1997) : The Idea of India, Hanush Hamilton, London. • Kohli, Atul (1990) : Democracy and Disconent : India's Growing Crisis of Govenability, Cambridge University Press, Cambridge. • Kohli,Atul (2012) Poverty amid Plenty in India, Cambridge University Press, Cambridge • Nayyar, Deepak (1996): Economic Liberalisation in India: Analytics, Experience and Lessons • Panagariya . A. (2008) India the Emerging Giant OUP Journals: Economic and Political Weekly. Mainstream. Frontline • Terence, J. (Ed) (1994) : The State and Development Planning in India, Oxford University Press, Delhi. • हजेला टिळक नारायण,जोशी मुरलीधर, राजकीय अर्थशास्त्र सरस्वती सदन, मसुरी E-Book	

F.Y. M. A.
Semester –II
ECO - DSE-525: (B) Financial Economics

Total Hours: 60 **Credits: 4**

Course Objectives	• To understand basic term of financial system. • To identify the financial market • To understand working of money market and capital market • To aware about investors protection in market.	
Course Outcomes	• Student will learn about The Introduction of Indian Financial Market. • Student will learn about The Introduction of Financial Market. • Student will learn about The Money Market and Capital Market • Student will learn about The Investors Protection	
Unit	**Contents**	**Hours**
Unit I	**Introduction of financial system** 1.1 Introduction of financial system 1.2 Characteristics of Financial system 1.3 Prerequisites of a Financial System 1.4 Functions of the Financial System 1.5 Structure of financial System	15
Unit II	**Introduction of Financial Markets** 2.1 Evolution of the Financial Markets 2.2 Segments of Financial Markets 2.3 Role of Financial markets 2.4 Financial market Instruments - Equity & Preference shares and Debentures– meaning and features	15
Unit III	**Money Market and Capital Market** 3.1 Money Market: Meaning , Evolution of Money Market in India and Need for Money market 3.2 Components of the Money Markets, Call Money Market and Treasury Bill Market, Commercial Paper and Certificate of Deposit Market and REPOS (Repurchase Agreement) 3.3 Capital Market: Meaning , Need, Segments and Players	15

	3.4. Regulation of the Capital Markets 3.5 Historical Perspective and Evolution of Regulations and Role of SEBI	
Unit IV	**Investors Protection** 4.1 Need for Investor's Protection 4.2 Factors affecting investor's Interest 4.3 Investor's protection Measures 4.4 Bond Market: Evolution, Types , Convertible Bonds – Innovative Bond Issuance Structures and Secondary Market for Bonds	15
Study Resources	• Bhole L. M. (2004), Financial Institutions and Markets Structure, Growth and Innovations, Tata McGraw Hill Publishing Company Ltd. New Delhi • Bhasin, Niti (2006), Banking Developments in India 1947 to 2007" New Century Publications • Madura Jeff (2008), Financial Markets & Institutions , Indian Edition • Pathak Bharati.V. (2010), Indian Financial System, 3rd edition, Pearson education India • Machiraju H.R . (2010) Indian Financial System, Vikas Publishing House • Church, Jeffrey and Roger Ware. (1999).) Industrial Organization: A Strategic Approach."	

F.Y. M.A.
Semester –II
ECO - DSC-526: Internship/ On Job Training

Total Hours: 60 **Credits: 4**

A. Introduction of Internship/ On Job Training

1. Goals of Internship:

- To provide platform to the students about outside economic world.
- To bridge the gap between in-house teaching and practical work life.
- Developing the passion, work ethics and work discipline for their professional life.

2. Purpose of Internship:

- To develop self confidence and self worth.
- Increase movements of the students from academia to business world.
- To create awareness among students about their own professional life.

3. Objectives of Internship:

- To create value addition among students.
- To increase the employability of students.
- To enhance bargaining power of students.
- To impart appropriate knowledge and information to the students in preparation for professional practice.
- To develop the ability in the students to understand the process of research as well as plan, implement, monitor and evaluate need based programme.

4. Employment Opportunities:

. The objective of the course is developing skilled personnel who can work with government, Non-Government organizations, Stockholders and in all industrial categories as well as social sector in the economy. The course provides deeper understanding of current economic concerns and well equipped for providing opportunities for students to have on the-job experience through current internship and on job training.

5. Place of Internship:

Jalgaon District. For more information on the list of agencies agreed to appoint internship/On job training is presented in Appendix A

6. Types of Internship: Unpaid

7. Number of students: 40 (Approximate)

8. Faculty Advisor's visit to place of internship: Once a Week

9. Meeting Requirement: Discussion with Personnel – quality of work, planning, implementation

B. Internship/ On Job Training Procedure

1. Before the Internship begins:

Enlisting agencies, matching-batching, orientation of students, faculty & representatives of industry, research institutes, Banks, corporate, NGO / agencies, schedule preparation.

2. During Internship:

Visits by faculty, advisors, checking their reports, student follow-up, assessing weekly work of students, etc.

3. After completion of the internship:

Agency feedback,student's submission of reports and arranging their presentations and viva-voce examination.

4. **Code of conduct:**

Punctuality, accountability, proper manners, appropriate dress code, no compensation, timely submission, following rules & regulations of industry/corporate/bank/NGO, be in the agency as a staff, no involvement in agency politics, maintain confidentiality, no favoritism, Unbiasedness and work-ethics.

5. Evaluation Scheme (for the whole period as well as final presentation)

Total Marks - 100 (Internal Supervisor, External Supervisor & Joint Evaluation).

BOS Panel

Sr. No.	Name of Members	Composition	Designation & Affiation
1	Dr.D. R. Vasave	Head of the Department (Chairman)	Asst. Professor, M. J. College, Jalgaon
2	Prof. Satyanarayan Kothe	Subject Expert from outside the Parent University to be nominated by the Academic Council.	Professor, Dept. of Econom ics, University of Mumbai
3	Dr. Vishal Chandrashekhar Belure	Subject Expert from outside the Parent University to be nominated by the Academic Council.	A.C. College, Ardhapr, SRT M, University
4	Dr. Jayashri P. Sarode	Expert to be nominated by the V.C. of Parent University from the Panel of six recommended by the college principal	D.N. Bhole College of Arts & Science, College, Bhsawal
5	Mrs. Priti Mandore	One representative from industry/corporate sector/ allied area relating to placement	Suresh Food Ltd.
6	Dr. N.G.Suryavanshi	Faculty from Department	Asst. Professor, M. J. College, Jalgaon
7	Mr. G.P.Pawar	Faculty from Department	Asst. Professor, M. J. College, Jalgaon
8	Mr. Amol Patil	Postgraduate meritorious to be nominated by the principal	Independent Researcher

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