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**JIWAJI UNIVERSITY, GWALIOR**



**SYLLABUS**

**OF**

**M.A. (ECONOMICS)**

**I to IV Semester**

**2015 - 2017**

*SRS Shinde*

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# JIWAJI UNIVERSITY, GWALIOR

## M.A. (Economics)

### *Revised Course Structure*

### *Choice Based Credit System (CBCS)*

2015-2017

The department has choice based credit system (CBCS) in M.A. (Economics) we offer, in which there are 80 valid credits and 16 virtual credits in the complete span of the course of two years. From these 80 credits, 48 credits should accrue from core subjects, 16 credits from elective subjects, 4 credits from Seminar, 4 credits from Assignment and 8 credits from project based work. Virtual credits are 16 which the student has to earn through comprehensive viva-voce held after every semester. Hence 4 virtual credits are given to each comprehensive viva-voce. From these 96 credits, the credit for each subhead is as under:

S. No.	Type of Subject/ Activity	Code	Number of Subjects	Credit/Subject	Total Credit
1	Core	1	12	4	48
2	Electives	2	4	4	16
3	Seminar	3	4	1	4
4	Assignment	4	4	1	4
5	Comprehensive Viva Voce	5	4/Semester	16	16
6	Project Work	6	Project Work	8	8
					<b>96</b>

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## M.A. Economics

<b>M.A. Economics I Semester</b>		
<b>Sub. Code</b>	<b>Subject Name</b>	<b>Credits</b>
101	Theory of Consumer Behavior and Production (Core)	4
102	Macro Economics (Core)	4
103	Public Economics (Core)	4
104	Statistics for Economics (Core)	4
105	Seminar	1
106	Assignment	1
<b>Total Valid Credits</b>		<b>18</b>
107	Comprehensive Viva Voce (Virtual Credit)	4
<b>Total Credits</b>		<b>22</b>

<b>M.A. Economics II Semester</b>		
<b>Sub. Code</b>	<b>Subject Name</b>	<b>Credits</b>
201	Theory of Market Distribution (Core)	4
202	Monetary Economics and Banking (Core)	4
203	Statistical Inferences and Research Methods (Core)	4
204	International Economics (Core)	4
205	Seminar	1
206	Assignment	1
<b>Total Valid Credits</b>		<b>18</b>
207	Comprehensive Viva Voce (Virtual Credit)	4
<b>Total Credits</b>		<b>22</b>

<b>M.A. Economics III Semester</b>		
<b>Sub. Code</b>	<b>Subject Name</b>	<b>Credits</b>
301	Economics of Growth and Development (Core)	4
302	Economics of Industries(Core)	4
303	Elective Generic - Environmental of Economics	4
304	Elective Centric – Choose any one of the following: A. Industrial Relation and Labour Legislation-I B. Computer Application in Economics-I C. Econometrics-I D. Agriculture Economics	4
305	Seminar	1
306	Assignment	1
<b>Total Valid Credits</b>		<b>18</b>
307	Comprehensive Viva Voce (Virtual Credit)	4
<b>Total Credits</b>		<b>22</b>

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<b>M.A. Economics IV Semester</b>		
<b>Sub. Code</b>	<b>Subject Name</b>	<b>Credits</b>
401	Indian Foreign Trade and International Institution(Core)	4
402	Financial Market (Core)	4
403	Elective Generic - Indian Economy	4
404	Elective Centric – Choose any one of the following: A. Industrial Relation and Labour Legislation-II B. Computer Application in Economics-II C. Econometrics-II D. Rural Development	4
405	Seminar	1
406	Assignment	1
407	Project Work	8
	<b>Total Valid Credits</b>	<b>26</b>
408	Comprehensive Viva Voce (Virtual Credit)	4
	<b>Total Credits</b>	<b>30</b>

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)

FIRST SEMESTER

PAPER – MA (ECO) 101

## THEORY OF CONSUMER BEHAVIOR AND PRODUCTION

- UNIT - I**      ➤ **Introduction :**  
Micro-Economics– Meaning, Scope, Significance and Limitations, Basic Economic Problem – Scarcity and choice. Relationship between Micro and Macro-economic analysis. Methods of Economic Analysis :  
(a) Deductive and Inductive  
(b) Economic Statics and Dynamics  
(c) Positive and Normative Economics  
(d) Partial and General Equilibrium Analysis.
- UNIT - II**      ➤ **Demand Analysis :**  
Theory of utility and Consumer Behaviour – Indifference Curve Analysis – Definition and Properties, Consumer's Equilibrium, Price, Income and Substitution Effects, Slutsky Theorem, Engel's Curve, Derivation of Demand Curve.
- UNIT - III**      ➤ **Demand Analysis:**  
Strong and Weak Ordering Hypothesis.  
Samuleson's Theory of Revealed Preference.  
The Elasticity of Demand and its Types.  
Consumers' Surplus-Marshallian and Hicksian Measure of Consumer's Surplus.
- UNIT - IV**      ➤ **Supply Analysis :**  
Theory of Production – Production Function-short and Long run Production Function. Cobb-Douglas Production Function, Law of Variable Proportions and Returns to Scale, Isoquants – Optimum Factor Combination – Producer's Equilibrium, Expansion Path, Ridge Lines and Economic Region of Production.
- UNIT - V**      ➤ **Welfare Economics:**  
Meaning, Nature, Role of Value Judgement, Pigovian Welfare Economics-Duel Criteria, Pareto's Welfare Economics – Marginal conditions for Pareto's optimum and Unanimity Rule. Social Welfare Function, Compensation Principle, Arro's Impossibility Theorem.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)

FIRST SEMESTER

PAPER – MA (ECO) 102

## MACRO ECONOMICS

- UNIT - I** ➤ Nature of Macro Economics, Basic Concept Stock and Flow Variables. National Income and Its measurement, GDP and GNP, Importance of NI Estimation, NI and Economic Welfare, NI estimation in India.
- UNIT - II** ➤ Income Determination in closed and open economy. Consumption Function APC-MPC, Factors affecting Consumption Function,
- UNIT - III** ➤ The component of Money Supply, Interest rate and theory of Liquidity preference. IS-LM Analysis, Monetary policy and its instruments.
- UNIT - IV** ➤ Theories of Employment – Classical theory : Say's law of market. Pigou's employment theory, Keynesian theory of employment, Keynes Vs. Classics.
- UNIT - V** ➤ Investment Function, Determinants of Investment MEC, MEL, Saving Function, Paradox of thrift, Investment Multiplier.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)

FIRST SEMESTER

PAPER – MA (ECO) 103

## PUBLIC ECONOMICS

- UNIT - I** ➤ Nature and Scope of Public Economics, Role of Govt. in Organised Society, Concept of Public Goods, Private Goods and Merit Goods, Theory of Maximum Social Advantage- Dalton, Pigou and Musgrave.
- UNIT - II** ➤ Public Expenditure – Wagner's Law of increasing state activities, Wiseman peacock Hypothesis, Principles of Public Expenditure Structure and Growth of Public Expenditure in India.
- UNIT - III** ➤ Sources of Public Revenue – Tax Revenue and Non Tax Revenue, Taxable Capacity, Theory of Incidence of Taxation, Ability to Pay Theory, Effect of Taxation.
- UNIT - IV** ➤ Public Debt - Meaning and Sources, Burden of Public debt, Debt Repayment, Public Debt Management, Public Debt in India.
- UNIT - V** ➤ Fiscal Federalism in India, Recommendation of latest Finance Commission, Budget - Meaning and Preparation, Fiscal Policy, Deficit Financing.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)

FIRST SEMESTER

PAPER – MA (ECO) 104

## STATISTICS FOR ECONOMICS

- UNIT - I**      ➤ Definition, Importance and Scope of statistics, Measures of Central tendency: - Mean, Median, Mode, Dispersion- Interquartile Deviation, Quartile Deviation, Mean Deviation, Standard Deviation and Skewness.
- UNIT - II**      ➤ Linear and Simultaneous Equations up to Three Variables and its Application in Economics, e.g., Calculation of equilibrium Prices, Impact of Tax and Subsidy on Demand and Supply Model Calculations of Factor Prices. Calculations of Macro Economic Variables.
- UNIT - III**      ➤ Simple Differentiation and its Application in Economics i.e., Calculation of Elasticity Coefficient, Marginal Cost and Revenue, Productivity, Correlation Analysis: Karl Pearson's Correlation, Spearman's Rank Correlation
- UNIT - IV**      ➤ Regression Analysis: Concept, Regression lines, finding regression coefficient and equations. Interpolation and extrapolation; Concept, significance, assumptions, methods of Interpolation and extrapolation.
- UNIT - V**      ➤ Index Numbers: A Conceptual frame work, uses, types, problems in construction of index number, The chain index numbers, Base shifting and deflating the index numbers, cost of living index numbers, Fisher's Index Number.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
SECOND SEMESTER  
PAPER – MA (ECO) 201

## THEORY OF MARKET DISTRIBUTION

- UNIT - I** ➤ **Cost and Revenue Analysis:**  
Cost Analysis – Short-run and Long-run cost functions and curves. Prime and Supplementary Costs-Total, Average and Marginal Cost Curves, Incremental and Marginal Costs. Revenue Analysis – Total, Average and Marginal Revenue, Average and Marginal Revenue Curves under different market conditions.
- UNIT - II** ➤ **Market Equilibrium :**  
Perfect Competition – Prices and Output determination, Short and Long-run Equilibrium of the firm and Industry, Monopoly – Short and Long-run Equilibrium Discriminating Monopoly – Definition and Equilibrium under Discriminating Monopoly.
- UNIT - III** ➤ **Market Equilibrium :**  
Monopolistic Competition – Chamberlain's Approach-Equilibrium of the firm and group with product Differentiation and Selling costs. Theory of Excess Capacity, Oligopoly-non-Collusive Model – Sweezy Model of kinked Demand curve, Price – rigidity, Collusive Model, Market sharing cartels and Price-leadership.
- UNIT - IV** ➤ **Theories of Distribution :**  
Marginal Productivity Theory, Euler Theorem of Product Exhaustion.  
Rent – Meaning and Nature, Modern Theory of Mrs. Joan Robinson, Comparison between Ricardian and Robinson;s Theories.  
Profit – Meaning and Nature, Knight's Theory and Schumpeterian Theory of Profit.
- UNIT - V** ➤ **Theories of Distribution:**  
Interest – Meaning and Nature, Classical Theory, Keynesian theory and Hicks-Hanson Synthesis,  
Wages – Meaning and Nature, Wages under competitive and Non-competitive conditions.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
SECOND SEMESTER  
PAPER – MA (ECO) 202

## MONETARY ECONOMICS AND BANKING

- UNIT - I** ➤ Theories of Value of Money – Fisher, Cash Balance Approach, Keynes theory of Money and Prices, Milton Friedman Theory, Don Patinkin's Theory of Real Balance Effect.
- UNIT - II** ➤ Measures of Money Stock, Liquidity Approach to Quantity of Money, Tobin's approach of Portfolio Balance, Credit creation, Method of Note issue in India.
- UNIT - III** ➤ Inflation – Meaning and Types, Inflation, Deflation, Reflation and Disinflation, Measurement of inflation, Inflation and Indian Economy, Method to check inflation, Relationship between inflation and unemployment, Philips Curve.
- UNIT - IV** ➤ Banking system in India, Types of Banks, Functions, of Commercial banks, New Trends in Commercial Banking, Reserve Bank of India.
- UNIT - V** ➤ Business Cycle – Meaning and Nature, Phases of Trade Cycles, Theories of Trade Cycle – Non Monetary Theories, Monetary Theories - Schumpeter, Samuelson and Hicks, Measures to control evil effects of Business Cycle.

*S.K. Shrivastava*

# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
SECOND SEMESTER  
PAPER – MA (ECO) 203

## STATISTICAL INFERENCES AND RESEARCH METHODS

- UNIT - I** ➤ Meaning and Concept of Research, Types of Research, Steps in Scientific Research, Research Design, Sampling Techniques and Techniques of data collection.
- UNIT - II** ➤ Analysis of Time Series – Introduction, Utility and Components of Time Series, Measurement of Trend by Graphic Method, Semi-Average and Moving Average method and Least Squares Method.
- UNIT - III** ➤ Probability and its Theorems: Concept and Definition, Calculation of Probability, Theorems Addition Theorem and Multiplication Theorem, Theoretical Probability, Distribution: Normal, Binomial and Poison Distribution.
- UNIT - IV** ➤ Hypothesis: Meaning, Types and Utility, Testing of Hypothesis, Standard Error and Sampling Distribution, Estimation, Significance of Attributes, Large Samples and Small Samples, T, F, Z and Chi-square test.
- UNIT - V** ➤ Research Report: Types of Reports, Characteristics of Research Report, Formulation Utility and Limitations, Footnote, References and Bibliography.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
SECOND SEMESTER  
PAPER – MA (ECO) 204

## INTERNATIONAL ECONOMICS

- UNIT - I** ➤ Distinguishing features of Interregional and International trade; Differences and Similarities between inter-regional and international trade; Importance and Scope of International Trade. International division of labour and specialization; Smith's theory of Absolute Difference in costs; Ricardo's theory of comparative differences in costs and its application in underdeveloped countries.
- UNIT - II** ➤ Mills' theory of Reciprocal Demand; Concept of Offer Curves: Explanation of Mill's concept of Reciprocal Demand with the help of Marshall's Offer Curves, Free Trade v/s Protection, International Trade Equilibrium.
- UNIT - III** ➤ Haberler's Theory of Opportunity Costs; International trade under constant increasing and decreasing opportunity costs. The modern theory of Factor Endowments; its explanation under price criterion and physical criterion, Its superiority over the classical theory; Leontief Paradox.
- UNIT - IV** ➤ International trade and factor prices, Samuelson's Factor Price Equalization Theorem. The Terms of Trade – Meaning and various concepts of Terms of Trade; Factors affecting the Terms of Trade; Terms of Trade and underdeveloped countries.
- UNIT - V** ➤ Tariffs meaning and types: Optimum tariff and welfare; Effects of tariff on income distribution. The Stolper – Samuelson theorem, Dumping: Types, Objectives and effects of dumping; Current incidence of dumping in India and its impact on our economy; Anti-dumping measures.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)

THIRD SEMESTER

PAPER – MA (ECO) 301

## ECONOMICS OF GROWTH AND DEVELOPMENT

- UNIT - I** ➤ Concept of Growth and Development, Determinants of Economic Growth, Indices of Development – Human Development Index, Cost of Development, Real Cost of Development, Physical Quality of Life Index (PQLI).
- UNIT - II** ➤ Theories of Development – Classical, Marx, Schumpeter Model, Nelson Theory, Harrod Domar Model, Joan Robinson's Model of Growth.
- UNIT - III** ➤ Theory of Balanced Growth – Nurkse and Lewis Growth model with unlimited supply of labour, Theory of unbalanced Growth – Hirschman, Leibenstien's model of growth.
- UNIT - IV** ➤ Rostow stage of growth, Mahalanobis model, Ranis – Fei model, Kaldor's model of distribution.
- UNIT - V** ➤ Problems of Capital formation for economic development, Investment allocation, Cost benefit analysis, Choice of Techniques – Labour V/s. Capital intensive techniques, Appropriate and Intermediate Technology.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
THIRD SEMESTER  
PAPER – MA (ECO) 302

## ECONOMICS OF INDUSTRIES

- UNIT - I**      ➤ Industrialization – Meaning and Importance, Process of industrialization. Problem of industrialization, Classification of industries – size based, use based, input based, proprietary based. Dangers of Heavy Industrialisation.
- UNIT - II**      ➤ Industrial Combination – Definition, advantages and disadvantages, Forms and Types of industrial combinations. Localization of Industries – Concept and significance. Theories of industrial combination – Weber and Sargent Florence.
- UNIT - III**      ➤ Role of Govt. in industrial development, Licensing policy, Industrial policy – 1948 Policy, 1956 Policy, New Industrial Policy.
- UNIT - IV**      ➤ Industrial Productivity – Concept, Types, Measurement, Partial and Total trends, Productivity movement in India. Rationalization – Meaning, Objective, Aspects, Problems, Govt. Policies towards Rationalization, Modernization in Indian Industries.
- UNIT - V**      ➤ Industrial Sickness – Definition, Extent of Industrial sickness in Indian Industries, Causes of sickness, Harmful effect of sickness, Measures to remove industrial sickness. Concentration of economic power and monopoly, Measures to check monopoly, UTP and RTP provisions, Competition Act.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
FOURTH SEMESTER  
PAPER – MA (ECO) 303

## ENVIRONMENTAL ECONOMICS

- UNIT - I** ➤ Meaning of Environmental Economics. Inter linkages between economics – environment and ecology; Environment quality as a public good; National Income Accounting and Environment; Environmental, Problems of Economy.
- UNIT - II** ➤ Economics of Pollution, Impact of water pollution and air pollution on economy, Sustainable industrialization, Sustainable development.
- UNIT - III** ➤ Social Cost Benefit Analysis- Methods, Application and Limitations, Environment Impact Analysis (EIA); Environment Impact Statement (EIS); Environment Auditing (E.A.).
- UNIT - IV** ➤ Global Environmental Problems- Global Warming, Acid Rains, Deforestation, Impact of Climate Change on Economy, Earth Summits.
- UNIT - V** ➤ Constitutional rights and duties regarding environment; Salient features of National Environment Policy 2006; The Environment (Protection) Act 1986.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
FOURTH SEMESTER  
PAPER – MA (ECO) 304A

## INDUSTRIAL RELATIONS AND LABOUR LEGISLATION-I

- UNIT - I** ➤ Industrial Labour – Meaning, Peculiarities, Types. Growth of Labour market in India.  
Industrial Relation – Concept, Scope and importance, components of Indian Relation System. Meaning of Human Relation (HR), Industrial Relations V/s. Human Relation.
- UNIT - II** ➤ Various concepts of Wages – Fair wages, Living wages, Minimum wages, Methods of wage payment, Wages policy in India, Minimum wages Act, 1948.
- UNIT - III** ➤ Bonus: Origin of Bonus payment, Concept, Need. Bonus payment in India. Payment of Bonus Act 1965. Problems related to Bonus in India.
- UNIT - IV** ➤ Industrial Disputes – Meaning, Types, Causes, Consequences, Prevention and Settlement, Industrial Disputes Act 1947.
- UNIT - V** ➤ Collective Bargaining – Definition, Scope, Objective, Process, Forms, Advantages. Disadvantages, Collective Bargaining in India. Problems of Child Labour and Women Labour, Measures to prevent child labour.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)

FOURTH SEMESTER

PAPER – MA (ECO) 304B

## COMPUTER APPLICATION IN ECONOMICS-I

- UNIT - I**
- Introduction to modern digital computers, Block diagram of a computer : Central processing unit, Computer peripherals : input and output devices; Introduction and use of Memory, different types of memories and their uses, Introduction to Computer instruction and program, Differences between high and low-level programming languages, Motivation of high level language,
- UNIT - II**
- Data type and data representation in computers, Number systems, inter-conversion of numbers, Flow-chart and algorithm with few example based on statistical functions used in economics, Introduction to Computer software and instructions.
- UNIT - III**
- Historical perspective of operating systems, Introduction to MS-DOS operating system, Concepts of batch processing, multi-programming, time-sharing, real-time and multiprocessor systems, single-user / multi-user Operating systems, single task / multi task Operating systems, Operating system services : File and memory management, File types, Device directory, Directory systems.
- UNIT - IV**
- Introduction to Windows, GUI, Introduction of Windows components : control-panel and its uses (add / remove hardware, add or remove software, device manager, devices and printers, fonts, network and sharing center, backup and restore, Windows update, power options, phone and modem, display, folder options, date and time, recovery, sound, user account), desktop, taskbar, Icon and shortcut.
- UNIT - V**
- Introduction to MS-Word, File operations : creating, editing / modifying, saving and printing a document file, format paragraph, line spacing, space before and after paragraph, margins and gutters, page break, repagination, sections, creating headers and footers, setting and clearing tabs, table insertion, use of micro, table insertion, table operations : deleting column or row, insertion of column or row, controlling row height / column width, formatting cell / column / row, mail-merge (Letters / Envelope / e-mail / levels) and its uses.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
FOURTH SEMESTER  
PAPER – MA (ECO) 304C

## ECONOMETRICS-I

- UNIT - I** ➤ Statistical Inference: Random Variable, Expectation of Random Variable, Sampling distribution and Standard Error, Testing of Hypothesis, Level of Significance and confidence limit, Hypothesis Testing for Mean, difference between means, Proportions and difference between proportions. Small Sample and Large Sample Test, F-Test, Estimation and Properties of Good Estimates.
- UNIT - II** ➤ Meaning and Methodology of Econometrics – Nature and Scope of Econometrics. The Nature of Regression Analysis and basics of Two-Variable Regression Analysis. Estimation and Hypothesis Testing. Extensions of the Two-variable Linear Regression Model, Multiple Regression Model, Estimation and Inference.
- UNIT - III** ➤ Nature, Consequences, Detection and Remedial Measure of Multi Collinearity Heteroscedasticity and Autocorrelation.
- UNIT - IV** ➤ Regression on Dummy Variable, Dynamic Econometrics Models: Autoregressive and Distributed Lag Models.
- UNIT - V** ➤ Systems of Equations, Identification and Estimation Methods (ILS and 2 SLS), Business Applications of Single Equation Econometrics Model and Systems of Equations.

*S.K. Shrivastava*

# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
FOURTH SEMESTER  
PAPER – MA (ECO) 304D

## AGRICULTURAL ECONOMICS

- UNIT - I** ➤ Agricultural Economics - Meaning ,Nature and Scope  
Role of Agriculture in Indian Economy  
Stages of Agriculture Development  
Lewis Model and Rene- Fe contribution
- UNIT - II** ➤ Optimum Combination problems in Agriculture input  
(inferences to land, Labour and capital)  
Agriculture System and their types co operative v/s private  
Agriculture Holdings  
Land Reforms in India and M.P.
- UNIT - III** ➤ Agricultural indebtedness  
Agricultural Finance- source , types and problems  
Agricultural Marketing- types and problems  
Fluctuations in Agricultural Prices, Agriculture Private Policy,  
Minimum Support Price
- UNIT - IV** ➤ Agriculture Development in Planned Periods  
Technological Development in Agriculture, Dry Farming, Green  
Revolution.  
Farm Management  
Agriculture Taxation
- UNIT - V** ➤ Issue of Indian Agriculture in Global Perspective  
Provisions regarding Agriculture in W.T.O.  
Agriculture Development in Madhya Pradesh  
Agriculture related problems and suggestions in Madhya  
Pradesh

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FOURTH SEMESTER  
PAPER – MA (ECO) 401

**INDIAN FOREIGN TRADE AND INTERNATIONAL INSTITUTIONS**

- UNIT - I** ➤ Foreign Trade and Economic Development, Meaning and Components of Balance of Payments, Equilibrium and disequilibrium of Balance of Payments. Factors causing disequilibrium in balance of payments, Technical Progress and International Trade.
- UNIT - II** ➤ Adjustment mechanisms of Balance of Payments Under Gold Standards, Under-flexible exchange rates (price effect), Under elasticity approach, Marshall Lerner condition, Under capital movements and direct control for adjustment. Foreign Trade Multiplier and determination of Income.
- UNIT - III** ➤ Concept of Foreign exchange rate, Determination of Equilibrium exchange rate. Theories of exchange rate determination the purchasing power parity theory and the Balance of Payment theory. Factor causing changes in exchange rates, Relative merits and demerits of fixed and flexible exchange rates, concepts of spot and forward exchange rates, convertibility of currency.
- UNIT - IV** ➤ Exchange control-meaning, features, objectives and methods of exchange control. Devaluation – Devaluation of Indian Rupee and its impact on our economy. Free Trade versus protection, cases for and against.
- UNIT - V** ➤ World Trade Organization – Functions, structure objectives and Working of WTO, India and WTO, Trade Blocks EU, NAFTA, ASEAN, International Monetary Fund (IMF) - origin, objectives, function and working of the fund, India & IMF, World Bank-Objective and functions, India and the World Bank. Foreign Trade and BoP in India, Major problems of Indian export sector.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
FOURTH SEMESTER  
PAPER – MA (ECO) 402

## FINANCIAL MARKET

- UNIT - I** ➤ **Introduction to Financial Markets:** Evolution of the Financial Markets, Segments of Financial Markets, Types of Financial Products, Stages in the Development of Financial Products, Role of Financial Markets.
- UNIT - II** ➤ **Money Market:** Definition of Money Market, Characteristics and Functions, Money Market Instruments and Factors Affecting its Growth, Development of Money Market in India, Role of RBI in the Development of Money Market.
- UNIT - III** ➤ **Capital Market:** Definition of Capital Market, Characteristics and Functions, Capital Market Instruments, Primary and Secondary Markets, Role of SEBI in Regulation of the Capital Markets, Reforms in the Capital Markets.
- UNIT - IV** ➤ **Non-Banking Finance Companies:** Meaning and Features of Non-Banking Finance Companies, Types of Non-Banking Finance Companies, Services Provided by NBFCs, Regulation of NBFC Companies, Growth of NBFC in India.
- UNIT - V** ➤ **Technology and Financial Markets:** Technological Developments in Financial Markets; Impact of Technology on the Financial Market, Online Trading, Clearing and Settlement System, Technology and Payment System, Role of E-Commerce in the Development of Financial Markets, Introduction and Structure of Foreign Exchange Markets .

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
FOURTH SEMESTER  
PAPER – MA (ECO) 403

## INDIAN ECONOMY

- UNIT - I** ➤ Basic economic indicators, Sectors of Indian Economy – Primary, Secondary and Tertiary, Demographic Trends and Population policy, National Income.
- UNIT - II** ➤ Agriculture – cropping pattern, Productivity, Mechanization and Green Revolution, Agriculture Pricing, Problems of Indian Agriculture.
- UNIT - III** ➤ Economic Development – Definition and Indicators, NITI Ayog, Strategy of Economic Development of India, 12th Five Year Plan.
- UNIT - IV** ➤ Infrastructure and Economic Development in India, Energy, Transport System, Communication system, Science & Technology.
- UNIT - V** ➤ Trends in Revenue and Expenditure of Central Govt. in India, Analysis of latest Union Budget, Problem of Rising Prices, Poverty and unemployment.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
FOURTH SEMESTER  
PAPER – MA (ECO) 404A

## INDUSTRIAL RELATIONS AND LABOUR LEGISLATION-II

- UNIT - I** ➤ Labour Welfare – Meaning, Aim, Scope and Classification. Labour welfare activities done by (a) Central Govt., (b) State Govt. (c) Employer, (d) Trade Union, Problems related to Labour Welfare.
- UNIT - II** ➤ Social Security Measures - Meaning, Origin, Growth, Aims and Methods. Various schemes of social security in India. (a) Provident Fund, (b) Workmen Compensation, (c) Family Pension, (d) Employees State Insurance, (e) Other Schemes
- UNIT - III** ➤ Trade Union – Definition, Need, Approaches, Growth and Functions, Trade Union Movement in India, Trade Union Act, 1926.
- UNIT - IV** ➤ Workers Participation in Management – Objective, Different Types, Advantages, Level of Participation, Progress of workers participation in Management in Indian Industries. Industrial Relations Act 1995 objectives and main provisions.
- UNIT - V** ➤ Manpower Planning, Education, Training and Development of Manpower. Types of Training. Impact of Training.

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# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
FOURTH SEMESTER  
PAPER – MA (ECO) 404B

## COMPUTER APPLICATION IN ECONOMICS-II

- UNIT - I**
- Introduction to MS-Excel, electronic worksheet / spreadsheet, use of worksheet / spreadsheet, operations on spreadsheet : creating, editing / modifying, formatting, saving and printing spreadsheet, entering and formatting numbers, dates, formulae, referencing cells, single range, mixed, copying entries, auto-fill : numbers, dates, time, protecting and un-protecting sheets and cells, Moving cells, copying cell, sorting cells data, inserting rows and columns, deleting part of worksheet, changing column and row width, types of graphs, creation of graph using data on spreadsheet, graph operations : creating, editing / modifying, formatting, changing graph type, saving and printing of graph.
- UNIT - II**
- Introduction to Power-point, creating presentations, editing / modifying and saving slides, printing slides and handouts, moving text, tables, graphs and pictures, formatting slides, adding / changing animation, background and borders, creation of hyperlink to other slides and / or other files, adding sound, audio and video to slides.
- UNIT - III**
- Introduction to internet and intranet, Introduction to LAN, MAN, WAN and their uses, topologies used in networking, Introduction to internet protocols, Introduction to IP address, Introduction to e-mail and its uses, Introduction to computer viruses, spam, Trojan, Introduction to Security over the network : anti-virus software, firewall, Introduction to Wi-Fi and Bluetooth, Introduction to website, web browsers and search engine.
- UNIT - IV**
- Introduction to database management system (DBMS) : database file creation, type of fields, creating, editing and saving structure of a database, modify structure of the database : rename, add or remove fields, view and edit database.
- UNIT - V**
- List, browse, append, display database file, delete, replace, recall, update and search records, closing database, printing database, seek, locate, go to record, index and sort database records, time, date, use of mathematical functions, generating and printing of report.

*SK SHARMA*

# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
FOURTH SEMESTER  
PAPER – MA (ECO) 404C

## ECONOMETRICS-II

- UNIT - I** ➤ Regression Analysis and Analysis of Variance. One way, two way analysis of variance.
- UNIT - II** ➤ Matrix Approach to Linear Regression Model. Assumptions, OLS Estimation and their properties. Interpretation of Results.
- UNIT - III** ➤ Autoregressive Model, Distributed Lag Model, Rationalization of Koyek Model. The Adaptive Expectation Model, Partial Adjustment Model, Estimation of Autoregressive Model, Detecting auto correlation in Autoregressive Model. The Almon Approach to Distributed Lag Model.
- UNIT - IV** ➤ Errors in variable, Test of equality between coefficient's (Chow Test) Application of LRM for estimation of Growth rate, demand function, production function.
- UNIT - V** ➤ Mixed Estimation Methods, Restricted Least Squares (RLS), Durbin's Generalized – Least squares and Method of Principal Components. The Maximum likelihood methods.

*S.K. Sharma*

# JIWAJI UNIVERSITY, GWALIOR

M.A. (ECONOMICS)  
FOURTH SEMESTER  
PAPER – MA (ECO) 404D

## OPTIONAL PAPER

### RURAL DEVELOPMENT

- UNIT - I** ➤ Introduction  
Nature of rural economy; Concept and features of rural development; Causes of rural backwardness in India; Importance of rural development for Indian economy; Relationship of rural development with industrial development and Service sector.
- UNIT - II** ➤ Dimensions of Rural Development  
Agriculture, Irrigation; Electrification and power supply; Rural roads; Health; Education; Banking in rural areas; Sanitation; Safe drinking water; Productivity level
- UNIT - III** ➤ Institutions for rural development  
National Bank for Agriculture and Rural Development(NABARD) ; Council for Advancement of People's Actions and Rural Technology (CAPART); Panchayati Raj institutions; Commercial Banks and Regional Rural Banks
- UNIT - IV** ➤ Various programmes for rural development in India  
Provision of Urban Amenities in Rural Areas (PURA); Mahatma Gandhi National Rural Employment Guarantee Act 2005; Pradhan Mantri Gramin Sadak Yojana(PMGSY);Rural housing; Swarnjayanti Gram Swaroggar Yojana(SGSY); Latest provisions and changes in Union budget for rural development
- UNIT - V** ➤ Rural Development in Madhya Pradesh  
Madhya Pradesh Rural Livelihood Project; Madhya Pradesh Rural Road Development Authority, Mahatma Gandhi State Institute of Rural Development; Causes of rural backwardness in Madhya Pradesh; Other initiatives for rural development in Madhya Pradesh.

*S.K. Shrivastava*