

Deccan Education Society's
FERGUSON COLLEGE, PUNE
(AUTONOMOUS)

SYLLABUS UNDER AUTONOMY
THIRD YEAR B.A. (ECONOMICS)
SEMESTER - V

SYLLABUS FOR T. Y. B. A.
Academic Year 2018-2019

**Deccan Education Society's
FERGUSSON COLLEGE (AUTONOMOUS), PUNE 411004
Scheme of Course Structure (Faculty of Arts)
2018-2019
T. Y. B. A. - Economics**

Semester	Course Code	Title	Paper	Credits	Exam (I / E)	Marks
V	ECO3501	Economic Development & Planning - I	General	3	I + E	50+50 = 100
	ECO3502	International Economics - I	Special	4	I + E	50+50 = 100
	ECO3503	Public Finance - I	Special	4	I + E	50+50 = 100
	ECO3504	OR Elementary Quantitative Technique I				
VI	ECO3601	Economic Development & Planning - II	General	3	I + E	50+50 = 100
	ECO3602	International Economics - II	Special	4	I + E	50+50 = 100
	ECO3603	Public Finance - II	Special	4	I + E	50+50 = 100
	ECO3604	OR Elementary Quantitative Technique II				

T. Y. B. A. (ECONOMICS) SEMESTER - V
ECONOMICS GENERAL PAPER (G3)
TITLE: ECONOMIC DEVELOPMENT & PLANNING I
PAPER CODE: ECO3501

[CREDITS - 3]

Learning Objectives:

1. To introduce students to areas like education, health, sanitation and infrastructural development.
2. To expose students to theories of economic development and approaches to economic development.

Title and Contents	
Unit - I	<p>Economic Development and Growth</p> <p>1.1 Meaning of Economic Development and Growth</p> <p>1.2 Indicators of Economic Growth and development</p> <p>1.3 Differences between Economic Development & Growth</p> <p>1.4 Measurement of economic growth and international comparison</p> <p>1.5 Meaning of Economic Development and Growth</p> <p>1.6 Indicators of Economic Growth and development</p> <p>1.7 Differences between Economic Development & Growth</p> <p>1.8 Measurement of economic growth and international comparison</p> <p>1.9 Meaning of Economic Development and Growth</p> <p>1.10 Indicators of Economic Growth and development</p> <p>1.11 Differences between Economic Development & Growth</p> <p>1.12 Measurement of economic growth and international comparison</p>
Unit - II	<p>Developed and Developing countries</p> <p>2.1 Classification of countries on the basis of development</p> <p>2.2 Comparison between developed and Developing Countries based on:</p> <ul style="list-style-type: none"> • Economic Characteristics • Demographic Characteristics • Technological Characteristics • Socio - Cultural Characteristics
Unit - III	<p>Constraints on Development Process</p> <p>3.1 Vicious Circle of Poverty</p> <p>3.2 Population Explosion</p> <p>3.3 Low Productivity of Agriculture</p> <p>3.4 Scarcity of Capital</p> <p>3.5 Inappropriate Technology</p> <p>3.6 Socio- Cultural Constraints</p> <p>3.7 Political and Administrative Constraints</p> <p>3.8 External Bottleneck</p>
Unit - IV	<p>Theories of Economic Development</p> <p>4.1 Classical Theories - Adam Smith, Ricardo & Malthus</p> <p>4.2 Karl Marx's Theory of Economic Development</p> <p>4.3 Schumpeterian Theory of Economic Development</p>
Unit - V	<p>Human Development</p> <p>5.1 The concept of development - Evolution of measures of economic development</p> <p>5.2 Human Development Index and its extensions, modification and other related measures</p> <p>5.3 Human Poverty Index (HPI)</p> <p>5.4 Gender related Development Index (GDI)</p> <p>5.5 Gender Empowerment Measure (GEM)</p> <p>5.6 Problems, components and process</p>
References:	

Basic Reading List

1. Basu, K. Analytical Development Economics: The Less Developed Economy revisited, The MIT Press.
2. Barro, Robert J. & Sala-I-Martin, Xavier, Economic Growth, McGraw Hill.
3. Economics of Development & Planning, Mishra & Puri, Himalaya Publication.
4. Adelman, I. (1961) Theories of Economic Growth and Development, Stanford University Press, Stanford.
5. Dasgupta P. (1993) An Enquiry into Well Being and Destitution.
6. Ghatak, S. (1986) An Introduction to Development Economics, Allen and Unwin, London.
7. Griliches M., D. H. Perkins, M. Romer and D. R. Snodgrass (1992) Economics of Development (3rd Edition) W. W. Norton, New York.
8. Meier, G. M. (1995) Leading Issue in Economic Development, 6ed, Oxford University Press, New Delhi.

Additional Reading List

1. Kindleberger C. P. (1977) Economic Development (3rd Edition) McGraw Hill, New York.
2. Zingales M. L. (1982) The Economics of Development and Planning, Vrinda Publication (P) Ltd.
3. Mahata J. K. (1964) Economic of Growth, Asia.
4. Ghosh B. N. (1982) Economic Development and Planning National Book House.
5. Mishra & Puri, Development and Planning - Theory and Practice, Himalaya.
6. Jagdish Bhagwati, The Economics of Underdeveloped Countries.
7. Ragnar Nurkse, Problem of Capital Formation in Underdeveloped Countries.
8. Sen Amartya (1970) Growth Economics, Penguin.
9. Meier and Baldwin (1970) Economic Development, Asia.
10. Mehata J. K. (1971) Economic Development, Chaitanya.
11. Avhad Suhas (2015) 'Economics of Growth and Development' (Marathi Edition) Success Prakashan, Pune.
12. Datir R. K. (2013) Vikasani Paryavarniy Arthshastra, Nirali Prakashan, Pune.
13. World Bank, World Development Report - 2001 to 2011.

T. Y. B. A. (ECONOMICS) SEMESTER - V
ECONOMICS SPECIAL PAPER (S3)
TITLE: INTERNATIONAL ECONOMICS I
PAPER CODE: ECO3502

[CREDITS - 4]

Learning Objectives:

1. To provide the students with a thorough understanding and deep knowledge about the basic principles that tend to govern the free flow of trade in goods and services at the global level.
2. To lay stress both on theory and applied nature of the subject that have registered rapid changes during the last decade.

Title and Contents

Unit - I	Introduction 1.1 International Economics - meaning, scope and importance 1.2 Inter-regional and international trade 1.3 Importance of international trade 1.4 Trends in globalization and emergence of anti-globalization movement
Unit - II	Theories of International Trade 2.1 Mercantilist system 2.2 Theory of absolute cost advantage and comparative cost advantage 2.3 Heckscher-Ohlin theory 2.4 Leontief's paradox, Ribczynski theorem, Intra-industry trade 2.5 Immiserizing growth
Unit - III	Gains from Trade 3.1 Measurement of gains, static and dynamic gains 3.2 Terms of trade - Importance, types and determinants 3.3 Causes of unfavourable terms of trade to developing countries
Unit - IV	Balance of Payments 4.1 Balance of trade and Balance of payments - Concepts and components 4.2 Equilibrium and disequilibrium in balance of payments; causes and consequences 4.3 Measures to correct deficit in the balance of payments 4.4 India's balance of payment crisis of 1991, Greece debt crisis

References:

1. Kenan, P. B. (1994) The International Economy, Cambridge University Press, London.
2. Kindlberger, C. P. (1973) International Economics, R. D. Irwin, Homewood, Krugman, P. R. and M. Obstfeld, (1994).
3. International Economics: Theory and Policy, Glenview, Foresman.
4. Salvatore, D. L. (1997) International Economics, Prentice-Hall, Upper Saddle River, N. J.
5. Sodersten, Bo (1991) International Economics, Macmillan Press Ltd., London.
6. International Economics, M. L. Jhingan.
7. प्रा. के. एम. भोसले, प्रा. के. बीकाटे, (२००९) आंतरराष्ट्रीय अर्थशास्त्र, फडके प्रकाशन, कोल्हापूर.
8. डॉ. भ. ग. बापट (१९९८), आंतरराष्ट्रीय व्यापार - सिद्धांत आणि धोरण, प्रकाशनमराठी अर्थशास्त्र परिषद, पुणे.
9. प्रा. झामरेजी. एन. (१९९९) आंतरराष्ट्रीय अर्थशास्त्र, पिंपळापुरे प्रकाशन.
10. डॉ. रा. य. माहोरे, (१९९१) व्यापार चक्राचे सिद्धांत, अंशुल पब्लिकेशन्स नागपूर.
11. प्रा. टी. जी. गिते, (२०१५) आंतरराष्ट्रीय अर्थशास्त्र, सक्सेस प्रकाशन, पुणे.

T. Y. B. A. (ECONOMICS) SEMESTER - V
ECONOMICS SPECIAL PAPER (S4 ELECTIVE)
TITLE: PUBLIC FINANCE I
PAPER CODE: ECO3503

[CREDITS - 4]

Learning Objectives:

1. To understand the role and functions of the Government in an economy.
2. To understand the interactions of those policies and operations which involve the use of tax and expenditure measures.
3. To understand budgetary policy to ascertain the basic problems of use of resources, distribution of income, etc.

Title and Contents	
Unit - I	Public Finance 1.1 The role of Government in an economy 1.2 Meaning, Nature, Scope, Importance, functions and role of Public Finance 1.3 Private Finance and Public Finance 1.4 Principle of Maximum Social Advantage and its objective test - Dr. Dalton
Unit - II	Public Expenditure 2.1 Meaning and Principle of Public Expenditure 2.2 Public expenditure: importance and objectives 2.3 Classification of Public Expenditure and its cannons 2.4 Causes of increase in Public Expenditure 2.5 Effects of Public Expenditure 2.6 Recent trends since 2010 of Public Expenditure in India
Unit - III	Public Revenue 3.1 Meaning of public revenue, tax revenue and non-tax revenue 3.2 Characteristics of a good tax system 3.3 Meaning and Objectives of Taxation 3.4 Principles of taxation - Benefit approach, Ability to pay 3.5 Concepts - Impact of Tax, incidence of Tax, Shifting of Tax and Taxable Capacity 3.6 Indian Tax Structure - Direct and Indirect tax, Progressive, Proportional and Regressive
Unit - IV	Public Debt 4.1 Introduction, necessity and forms of public borrowing 4.2 Meaning and types of Public Debt 4.3 Sources of internal and external Public Debt 4.4 Effects of Public Debt 4.5 Methods of repayment 4.6 Redemption of Public Debt 4.7 FRBM

References:

Basic Reading List

1. Jha R., (1998) Modern Public Economics, Routledge London.
2. Bhargavre P. K., (1984) some Aspects of Indian Public Finance, Uppal Publishing House, New Delhi.
3. Government of India (1985) Long Term Fiscal Policy, New Delhi.
4. Government of India (1992) Reports of the Tax Reforms Committee - Interim and Final, (Chairman: Raja J. Chelliah).
5. Srivastava, D. K., (Ed.) (2000) Fiscal Federalism in India, Har-Anand Publication Ltd., New Delhi.
6. Datt R., (2001) Second Generation Economics Reforms in India, Deep and Deep

Publications, New Delhi

7. Bhatia H. L. (1984) Public Finance, Vikas Publishing House Pvt. Ltd., New Delhi.
8. Dr. D. M. Mithani, Money Banking International Trade and Public Finance, Himalaya Publications.

Additional Reading List

1. Musgrave and Musgrave, (1989) Public Finance in Theory and Practice, McGraw-Hill International Edition.
2. Tyagi B. P., (1992-93) Public Finance, Jai Prakash Nath Co., Meerat, U. P.
3. Datta / Sundaram (2009), Indian Economy S. Chand and Co. Ltd., New Delhi.
4. Rasal Rajendra (2015), 'Public Finance' (Marathi Edition), Success Publication, Pune.

T. Y. B. A. (ECONOMICS) SEMESTER - V
ECONOMICS SPECIAL PAPER (S4 ELECTIVE)
PAPER TITLE: ELEMENTARY QUANTITATIVE TECHNIQUES - I
PAPER CODE: ECO3504

[CREDITS - 4]

Learning Objectives:

1. To train the students to use the techniques of statistical analysis, which are commonly applied to understand and analyze economic problems.
2. To understand simple tools and techniques that will help students in data collection, presentation, analysis and drawing inferences about various statistical hypotheses.

Title and Contents

Unit - I	<p>Basic Topics in Statistics</p> <p>1.1 Types of data - primary and secondary, nominal and ordinal</p> <p>1.2 Frequency distributions - grouped and ungrouped</p> <p>1.3 Histograms and frequency polygons / curves, ogives, bar diagrams</p> <p>1.4 Mean (arithmetic, geometric and harmonic), median, mode and weighted average</p> <p>1.5 Quartiles, deciles and percentiles</p> <p>1.6 Range, inter-quartile range, standard deviation</p> <p>1.7 Relative measures of dispersion, coefficient of variation</p> <p>1.8 Concepts of kurtosis and skewness</p>
Unit - II	<p>Probability and Distributions of Random Variables</p> <p>2.1 Concept of probability and random variable - Discrete and continuous</p> <p>2.2 Theorems of additive and multiplicative probability.</p> <p>2.3 Expected values of a random variable, variance of a random variable</p> <p>2.4 Distributions of discrete random variables: Bernoulli distribution, Binomial distribution, Poisson distribution</p> <p>2.5 Distributions of continuous random variables: Normal distribution, Gamma distribution, Beta distribution, Exponential distribution</p> <p>2.6 Bivariate analysis</p>
Unit - III	<p>Correlation</p> <p>3.1 Meaning and significance of correlation</p> <p>3.2 Karl Pearson's correlation coefficient.</p> <p>3.3 Spearman's correlation coefficient</p> <p>3.4 Covariance</p>

References:

1. Allan R. G. D. - Mathematical Analysis of Economists Macmillan Press, London.
2. Black J. & J. F. Bradley - Essential Mathematics for Economists, John Wiley and Sons.
3. Croxtion F. D.- Applied General Statistics, Prentice Hall, New Delhi.
4. S. P. Gupta - Statistical Methods, Sultan Chand & Sons, New Delhi.
5. Spiegel, M. R.- Theory and Problems of Statistics, McGraw Hill Book, London.
6. Gupta, S. C. and Kapoor V. K. - Fundamentals and Applied statistics, S. Chand & Sons, New Delhi.
7. Shenoy, Srivastav and Sharma - Business Statistics, New Age International Publishers, Mumbai.
8. Gujarati, Damodar - Essentials of Econometrics.

Deccan Education Society's
FERGUSON COLLEGE, PUNE
(AUTONOMOUS)

SYLLABUS UNDER AUTONOMY

THIRD YEAR B. A. (Economics)
SEMESTER - VI

SYLLABUS FOR T. Y. B. A.
Academic Year 2018-2019

T.Y. B.A. (ECONOMICS) SEMESTER - VI
ECONOMICS GENERAL PAPER (G3)
TITLE: ECONOMIC DEVELOPMENT & PLANNING – II
PAPER CODE: ECO3601

[CREDITS - 3]

Learning Objectives:

1. To introduce the students to social and institutional aspects of development, constraints on development process.
2. To understand the role of macroeconomic policies, foreign capital and economic planning etc. in developing countries.

Title and Contents	
Unit - I	Approaches to Economic Development 1.1 Big Push Theory 1.2 Balanced growth 1.3 Imbalanced growth 1.4 Solow model 1.5 A-K model
Unit - II	Foreign Capital and Development 2.1 Meaning and role of foreign capital in economic development 2.2 Problems of foreign capital 2.3 Private foreign investment - types and role 2.4 Public foreign investment - types 2.5 Foreign aid - tied and untied
Unit - III	Economic Policy 3.1 Monetary policy - objectives, instruments and limitations 3.2 Recent monetary development of RBI 3.3 Fiscal policy - objectives, instruments and limitations 3.4 Fiscal policy in cyclical fluctuations
Unit - IV	Economic Planning 4.1 Meaning and definition 4.2 Evolution of planning 4.3 Objectives of economic planning - economic, social and political 4.4 National Institution for Transforming India Aayog (NITI AYOOG)

References:

Basic Reading List

1. Basu, K. Analytical Development Economics: The Less Developed Economy Revisited, The MIT Press.
2. Barro, Robert J. & Sala-i-Martin, Xavier, Economic Growth, McGraw Hill.
3. Mishra & Puri, Economics of Development & Planning, Himalaya Publication.
4. Adelman, I. (1961) Theories of Economic Growth and Development, Stanford University Press, Stanford
5. Dasgupta P. (1993) An Enquiry Into Well Being and Destitution.
6. Ghatak, S. (1986) An Introduction to Development Economics, Allen and Unwin, London.
7. Grillis M., D. H. Perkins, M. Romer and D. R. Snodgrass (1992) Economics of Development (3rd Edition) W. W. Norton, New York.
8. Meier, G. M. (1995) Leading Issue in Economic Development, 6ed, Oxford University Press, New Delhi.

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1. Kindleberger C. P. (1977) Economic Development (3rd Edition) McGraw Hill, New

- York.
2. Zinghan M. L. (1982) The Economics of Development and Planning, Vrindo Publication (P) Ltd.
 3. Mahata J. K. (1964) Economic of Growth, Asia.
 4. Ghosh B. N. (1982) Economic Development and Planning, National Book House.
 5. Mishra & Puri, Development and Planning - Theory and Practice, Himalaya.
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 7. Ragnar Nurkse, Problem of Capital Formation in Underdeveloped Countries.
 8. Sen Amartya (1970) Growth Economics, Penguin.
 9. Meaer and Baldwin (1970) Economic Development, Asia.
 10. Mehata J. K. (1971) Economic Development, Chaitanya.
 11. Avhad Suhas (2015) Economics of Growth and Development (Marathi Edition) Success Prakashan, Pune.
 12. Datir R. K. (2013) Vikasani Paryavarniy Arthshastra, Nirali Prakashan, Pune.
 13. World Bank, World Development Report - 2001 to 2011.

T.Y. B.A. (ECONOMICS) SEMESTER - VI
ECONOMICS SPECIAL PAPER (S3)
TITLE: INTERNATIONAL ECONOMICS II
PAPER CODE: ECO3602

[CREDITS - 4]

Learning Objectives:

1. To understand and analyse the impact of free trade and tariffs on the different sectors of the economy as well as at the macro level.
2. To train students about the rationale of recent changes in the export import policies of India.
3. To understand the relevance of the subject from the policy point of view under the present waves of globalization and liberalization.

Title and Contents	
Unit - I	Trade policy & Exchange Rate 1.1 Free trade policy - case for and against 1.2 Protection Policy - case for and against 1.3 Types of tariffs and quotas
Unit - II	India's Foreign Trade and Policy 2.1 Growth of India's foreign trade and recent trends 2.2 Changes in the composition and direction of foreign trade since 2000-2001 2.3 Foreign trade policy 2015-2020 2.4 India and WTO: disputes, unilateralism to multilateralism
Unit - III	Export Promotion measures 3.1 Export promotion - SEZ and FTA 3.2 Role of multinational corporations in India 3.3 FERA to FEMA - provisions and impact 3.4 Convertibility of Indian rupee
Unit - IV	Regional and International Co-operation 4.1 South Asian Association for Regional Co-operation (SAARC) 4.2 Brazil, Russia, India, China and South Africa (BRICS) 4.3 European Union (EU) 4.4 Organisation of Petroleum Exporting Countries (OPEC)

References:

Basic Reading List

1. Kenan, P. B. (1994) The International Economy, Cambridge University Press, London.
2. Kindlberger, C. P. (1973) International Economics, R. D. Irwin, Homewood.
3. Krugman, P. R. and M. Obstfeld (1994) International Economics: Theory and Policy, Glenview, Foresman.
4. Salvatore, D. L. (1997) International Economics, Prentice-Hall, Upper Saddle River, N. J.
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6. International Economics, M. L. Jhingan.
7. प्रा. के. एम. भोसले, प्रा. के. बीकाटे (२००९) आंतरराष्ट्रीय अर्थशास्त्र, फडके प्रकाशन, कोल्हापूर.
8. डॉ. भ. ग. बापट (१९९८) आंतरराष्ट्रीय व्यापार - सिद्धांत आणि धोरण, प्रकाशन मराठी अर्थशास्त्र परिषद, पुणे.
9. प्रा. झामरेजी. एन. (१९९९) आंतरराष्ट्रीय अर्थशास्त्र, पिंपळापुरे प्रकाशन.
10. डॉ. रा. य. माहोरे (१९९१) व्यापार चक्राचे सिद्धांत, अंशुल पब्लिकेशन्स नागपूर.
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1. Bhagwati, J. (Ed.) (1981) International Trade: Selected Readings, Cambridge University

Press, Mass.

2. Greenaway, D. (1983) International Trade Policy, Macmillan Publishers Ltd., London.
3. Joshi V. and I. M. D. Little (1998) India's Economic Reforms, 1999-2001, Oxford University Press, Delhi.
4. Panchmukhi, V. R. (1978) Trade Policies of India: A Quantitative Analysis, Concept Publishing Company, New Delhi.
5. Patel, S. J. (1995) Indian Economy Towards the 21st Century, University Press Ltd., India.
6. Misra and Puri, Indian Economy, Himalaya Publishing House.
7. Dangat Nilesh (2015) International Economics, Success Publication, Pune.

T.Y. B.A. (ECONOMICS) SEMESTER - VI
ECONOMICS SPECIAL PAPER (S4 ELECTIVE)
TITLE: PUBLIC FINANCE- II
PAPER CODE: ECO3603

[CREDITS - 4]

Learning Objectives:

1. To understand the functioning of fiscal institutions - tax systems, expenditure programs budgetary procedures, stabilization instruments, debt issues, levels of government, etc., which raise a spectrum of issues arising from the operation of these institutions.
2. To study the existence of externalities, concern for adjustment in the distribution of income, wealth, etc. and the required political processes for their solution in a manner which combines individual freedom and justice.

Title and Contents	
Unit - I	Budget 1.1 Meaning - nature and objectives of budget 1.2 Meaning - revenue and capital budget 1.3 Types of budget - revenue, capital, surplus, deficit and balance budget 1.4 Preparation of Indian central budget 1.5 Gender budget, zero budget
Unit - II	Deficit Financing 2.1 Meaning and objectives of deficit financing 2.2 Concepts of deficits - revenue, fiscal and primary 2.3 Deficit financing since 1991 2.4 Need, process and causes of deficit financing 2.5 Deficit financing its limitations and impact on price level 2.6 Trends in India: deficit finance since 2001 2.7 Effects of deficit financing
Unit - III	Centre-State Financial Relationship 3.1 Constitutional provisions related to federal finance 3.2 Role and working of finance commission 3.3 Recommendations of 14 th finance commission 3.4 Centre - state conflict 3.5 Planning commission to NITI Aayog, GST
Unit - IV	Fiscal Policy 4.1 Meaning, role and objectives of fiscal policy 4.2 Concept of sound finance (balanced budget approach) 4.3 Review of Indian fiscal policy since 2001 4.4 Fiscal policy in developing economy 4.5 Limitations of fiscal policy 4.6 Concept of functional finance (unbalanced budget approach)

References:

Basic Reading List

1. Jha R., (1998) Modern Public Economics, Routledge London.
2. Bhargavre P. K. (1984) Some Aspects of Indian Public Finance, Uppal Publishing House, New Delhi.
3. Government of India (1985) Long Term Fiscal Policy, New Delhi.
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5. Srivastava, D. K., (Ed.) (2000) Fiscal Federalism in India, Har-Anand Publication Ltd., New Delhi.
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2. Tyagi B. P. (1992-93) Public Finance, Jai Prakash, Nath Co., Meerat, U. P.
3. Datta / Sundaram (2009) Indian Economy, S. Chand and Co. Ltd., New Delhi.
4. Rasal Rajendra (2015) Public Finance (Marathi Edition), Success Publication, Pune.

T.Y. B.A. (ECONOMICS) SEMESTER - VI
ECONOMICS SPECIAL PAPER (S4 ELECTIVE)
PAPER TITLE: ELEMENTARY QUANTITATIVE TECHNIQUES II
PAPER CODE: ECO3604

[CREDITS - 4]

Learning Objectives:

1. To understand economic concepts with the help of mathematical methods.
2. To establish and understand economic relationships from empirics.
3. To be proficient in modelling economic data.

	Title and Contents
Unit - I	Hypothesis Testing 1.1 Point and interval estimation 1.2 The null and alternate hypotheses 1.3 The z distribution 1.4 The t distribution 1.5 The chi-square distribution 1.6 The F distribution 1.7 Tests for mean, variance and proportionality
Unit - II	Applications in Economics 2.1 Calculations of rate of interest, simple and compound rate of interest 2.2 Construction of index number 2.3 Concept of slope 2.4 Concept of equilibrium application to consumer surplus 2.5 Applications to elasticity of demand 2.6 Relationship among total, marginal and average functions
Unit - III	Introduction to Econometrics 3.1 Two variable regression model 3.2 Concept of PRF and SRF 3.3 Classical assumptions of regression 3.4 Ordinary Least Square (OLS) method of estimation 3.5 Properties of OLS estimators 3.6 Gauss-Markov Theorem 3.7 Statistical significance of estimates 3.8 Goodness of fit 3.9 Applications in Excel

References:

1. Allan R. G. D. - Mathematical Analysis of Economics, Macmillan Press, London.
2. Black J. & J. F. Bradley - Essential Mathematics for Economists, John Wiley and Sons.
3. Chiang A. C. - Fundamental Methods of Mathematics, McGraw Hill, New Delhi.
4. Croxtion F. D. - Applied General Statistics, Prenticehall, New Delhi.
5. S. P. Gupta - Statistical Methods, Sultan Chand & Sons, New Delhi.
6. Spiegel, M. R. - Theory and Problems of Statistics, McGraw Hill Book, London
7. Gupta, S. C. and Kapoor V. K. - Fundamentals and Applied Statistics, S. Chand & Sons, New Delhi.
8. Shenoy, Srivastav and Sharma - Business Statistics, New Age International Publishers, Mumbai.
9. Gujarati, Damodar - Basic Econometrics.