

Girraj Government College (Autonomous), Nizamabad
Department of Economics
B.A. I Year (w.e.f.2016-17), Semester – I: Core Course (Credits - 5)
Course – I: Micro Economics

Syllabus

Unit – I: Demand Analysis: Introduction to Economics – Definition, Nature and Scope of Economics – Micro and Macro Economic Analyses – Concept of Demand and Law of Demand – Determinants of Demand – Types of Demand – Demand Function – Shifts in Demand – Concept of Supply and Law of Supply – Market Equilibrium – Elasticity of Demand – Price, Income and Cross Elasticities of Demand – Measurement Methods of Price Elasticity of Demand

Unit – II: Utility Analysis :

Cardinal and Ordinal Utility Approaches – Law of Diminishing Marginal Utility – Law of Equi-Marginal Utility – Consumer Surplus – Indifference Curve Analysis: Assumptions, Properties, Budget Line and Consumer's Equilibrium – Derivation of Demand Curve with the help of Indifference Curves – Price Effect, Income Effect and Substitution Effect

Unit – III: Production Analysis: Concepts of Production, Production Function and Factors of Production – Factor Payments: Rent, Wages, Interest and Profit – Law of Variable Proportions – Isoquant, Isocost Curves and Producer's Equilibrium – Laws of Returns to Scale – Economies and Diseconomies of Scale – Cost Analysis: Total, Average and Marginal Cost Curves in Short Run and Long Run – Revenue Analysis: Total, Average and Marginal Revenue Curves – Relationship among Average Revenue, Marginal Revenue and Elasticity of Demand

Unit – IV: Market Structure Analysis- I: Concepts of Firm, Industry and Market – Classification of Markets – Objectives of the Firm – Equilibrium of a Firm – Perfect Competition: Concept, Characteristics, Equilibrium of Firm and Industry during Short Run and Long Run – Monopoly: Concept, Types, Characteristics and Equilibrium of the Firm – Price Discrimination – Comparison between Perfect Competition and Monopoly

Unit – V: Market Structure Analysis – II: Monopolistic Competition: Concept, Characteristics, Equilibrium of the Firm and Selling Costs – Oligopoly: Concept, Characteristics and Price Rigidity – Kinky Demand Curve – Duopoly: Concept and Characteristics – Cournot Model

Reference Books:

A Koutsoyiannis	:	Modern Micro Economics
Stonier and Hague	:	A Text Book of Economic Theory
Salvatore	:	Micro Economics
Schaum Series	:	Micro Economics
Pyndick	:	Micro Economics
Gregory Mankiw	:	Principles of Micro Economics
M L Seth	:	Micro Economics
M L Jhingan	:	Micro Economics
H L Ahuja	:	Modern Micro Economics
HS Agarwal	:	Principles of Economics
A Sen	:	Micro Economics: theory and Applications

Girraj Government College (Autonomous), Nizamabad
Department of Economics
B.A. I Year (w.e.f. 2016-17), Semester – II : Core Course (Credits - 5)
Course – II : Macro Economics-
Syllabus

Unit – I: Introduction: Meaning, Nature & Scope and Importance of Macro Economics – Concept of Circular Flow of Incomes – Macro Economic Paradox – National Income Analysis: Concepts and Components – Methods of Measurement – Importance of and Difficulties in the Estimation of National Income – Limitations of National Income as a Measure of Welfare – Social Accounting

Unit – II: Theories of Income and Employment: Classical Theory of Employment: Say's Law of Markets and Pigou's Wage Cut Policy – Keynesian Theory of Income and Employment: Effective Demand, Aggregate Demand Function and Aggregate Supply Function – Consumption Function: Average Propensity to Consume (APC) and Marginal Propensity to Consume (MPC) – Factors Determining Consumption Function – Savings Function: Average Propensity to Save and Marginal Propensity to Save – Concepts of Multiplier, Accelerator and Super-Multiplier

Unit – III: Investment & Theories of Interest Rate: Capital and Investment: Types of Investment, Determinants of Level of Investment – Marginal Efficiency of Capital – Ex-Post and Ex- Ante Investment and Savings – Classical, Neo-Classical and Keynesian Theories of Interest – Simultaneous Determination of Interest and Real Income through IS -LM Frame work in a Closed Economy

Unit – IV: Supply of Money & Demand for Money: Meaning, Functions and Classification of Money – Money Supply: Measures – Measures of Money Supply with reference to India: M1, M2, M3 and M4 – Classical Theories of Money: Fisher's and Cambridge Versions of Quantity Theory of Money – Keynes' Theory of Money and Prices.

Unit – V: Inflation & Trade Cycles: Inflation: Concept, Types, Causes and Measurement – Effects (Consequences) of Inflation – Measures to Control Inflation – Concepts of Phillips Curve, Deflation and Stagflation – Trade Cycles: Concept, Nature, Causes, Phases and Remedial Measures.

Reference Books:

- | | |
|-------------------|---|
| Ackley, G (1976) | : Macro Economics: Theory and Policy, Macmillan, New York |
| Shapiro, E (1996) | : Macro Economic Analysis, Galgotia Publications, New Delhi |
| J R Hicks | : Social Frame Work |
| Becan Man Wilfred | : Introduction to National Income Analysis |
| Hansen A H (1953) | : A Guide to Keynes, McGraw Hill, New York |
| Keynes JM (1936) | : The General Theory of Employment, Interest and Money, |
| MC Vaish | : Macro Economic Theory |
| HL Ahuja | : Macro Economic Theory & Policy |
| Vanitha Agarwal | : Macro Economic Theory & Policy, Pearson Education |
| HL Ahuja | : Macro Economic Analysis |
| Branson | : Macro Economics |
| Gupta, SB | : Monetary Economics: Institutions, Theory and Policy |
| Rakshit, M | : Studies in Macro Economics of Developing Countries, Oxford University Press, New York |

R. Dorn Busch et al : Macro Economics, Tata McGraw Hill, 2004

M.L. Seth : Macro Economics, Lakshmi Narain Agarwal, Agra, 2006

Girraj Government College (Auto), Nizamabad
Department of Economics,
B.A. I Year
Model Question Paper Pattern for
Semester – I: Core Course: Micro Economics (w.e.f. 2016-17)
and
Semester – II: Core Course: Macro Economics-(w.e.f. 2016-17)
Total Marks-100.

External Examination

Time: 2.30Hrs

Max.Marks:70

SECTION-A

Note: i) Answer any **Five** of the Following questions. (5x4=20 Marks)
ii) Each Answer should not exceed one page
iii) All questions carry equal marks.

- Q.1. Unit -I
- Q.2. Unit -I
- Q.3. Unit -II
- Q.4. Unit -II
- Q.5. Unit -III
- Q.6. Unit -III
- Q.7. Unit -IV
- Q.8. Unit - IV
- Q.9. Unit – V
- Q.10. Unit – V

SECTION-B

Note: i) Answer All the questions. (5x10=50 Marks)
ii) Each Answer should not exceed three pages
iii) All questions carry equal marks.

- Q.11. a) or b) from Unit – I (with internal choice)
- Q.12. a) or b) from Unit – II (with internal choice)
- Q.13. a) or b) from Unit – III (with internal choice)
- Q.14. a) or b) from Unit – IV (with internal choice)
- Q.15. a) or b) from Unit – V (with internal choice)

Internal Examination

Time: 30 Minutes

Max.Marks:30

A.	Assignments:	05
B.	Student Seminars:	05
C.	Written test:	20 (Internal assessment with best of two)
	Total	30

Girraj Government College (Autonomous), Nizamabad
Department of Economics, B.A. II Year (W.e.f.,2017-18),
Semester – III: Core Course (Credits - 5)
Course – III: Quantitative Methods for Economic Analysis

Unit – I: Mathematical Foundations of Economic Analysis:

Importance of Quantitative Methods in Economics – Meaning and Basic Concepts of Mathematics: Constants and Variables – Functions: Linear, Non-Linear Functions – Equations and Graphs of Linear, Quadratic and Cubic Functions – Concept of Derivative – Rules of Differentiation with respect to Cost, Revenue and Demand Functions – Application of Maxima and Minima in Economic Analysis

Unit – II: Introduction to Statistics:

Meaning and Basic Concepts of Statistics – Population and Sample, Frequency Distribution, Cumulative Frequency – Graphic and Diagrammatic Representation of Data – Types of Data: Primary and Secondary Data – Methods of Collecting Data: Census and Sampling Methods (Random, Non-random Sampling Methods)

Unit – III: Measures of Central Tendency and Dispersion:

Measures of Central Tendency : Mean, Median, Mode, Geometric Mean and Harmonic Mean – Properties of Good Average – Comparison of Different Averages – Measures of Dispersion – Absolute and Relative Measures of Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation, Coefficient of Variation and Variance

Unit – IV: Correlation and Regression:

Correlation: Meaning and Types – Karl Pearson's Correlation Co-efficient – Spearman's Rank Correlation – Regression: Meaning and Uses of Regression – Estimation and Interpretation of Regression Line

Unit – V: Index Numbers and Time Series Analysis:

Index Numbers: Meaning and Uses – Types of Index Numbers – Methods of Index Numbers: Laspeyres, Paasche and Fisher – Analysis of Time-Series: Meaning and Uses – Components of Time Series Analysis: Secular, Seasonal, Cyclical and Irregular Variations – Methods of Measurement of Secular Trends: Graphic, Semi-Averages, Moving Averages and Least Squares Methods.

Reference Books

- Allen, RGD : Mathematical Analysis for Economists, Macmillan Press, London.
Bhardwaj RS : Mathematics for Economics and Business, Excel Books, New Delhi
Bose : Mathematics for Economics, Himalaya Publishing, New Delhi
: Fundamental Methods of Mathematical Economics McGraw Hill, New
Chiang, AC : Delhi
Nagar & Das : Basic Statistics
S.P. Gupta : Statistics

Girraj Government College (Autonomous), Nizamabad
Department of Economics, B.A. II Year (W.e.f., 2017-18),
Semester – IV: Core Course (Credits - 5)
Course – IV: Public Finance and International Economics

Unit – I: Public Revenue:

Nature and Scope of Public Finance – Public Revenue: Sources and Classification – Direct and Indirect Taxes: Progressive, Proportional and Regressive Taxes – Canons of Taxation – Characteristics of a Good Tax System – Impact and Incidence of Taxation – Effects of Taxation

Unit – II: Public Expenditure and Public Debt:

Public Expenditure: Classification and Principles – Determinants of Public Expenditure – Effects of Public Expenditure – Public Debt: Nature, Sources, Classification, Effects and Redemption – Debt Trap

Unit – III: Indian Public Finance:

Indian Tax System: GST (Merits and Demerits), – Public Expenditure and Public Debt in India - Federal Finance – Centre-State Financial Relations – Functions of Finance Commission – Budget: Concepts & Types – Revenue Account – Capital Account – Types of Budget Deficits – Fiscal Responsibility and Budget Management (FRBM)

Unit – IV: International Trade:

Introduction to International Trade - Gains from Trade – Role of International Trade in Economic Development - Concept of Terms of Trade – Factors Affecting Terms of Trade – Tariffs – Quotas – Balance of Trade – Exports and Imports in India- Functions of WTO and its Impact on India.

Unit – V: Balance of Payments and Exchange Rates:

Concept – Components and Determinants of Balance of Payments – Equilibrium and Disequilibrium in Balance of Payments – Measures to Correct Disequilibrium in Balance of Payments – Recent Trends in India's Balance of Payments – Exchange Rates: Concept and Types- FEMA- Functions of IMF.

Reference Books

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|-----|--|--|
| 1 | Houghton, J M (1970) | The Public Finance: Selected Readings, Penguin, Harmonds worth |
| 2 | Jha, R (1998) | Modern Public Economics, Routledge , London |
| 3 | Menutt, P (1996) | The Economics of Public Choice, Edward Elgar, U.K. |
| 4 | Musgrave, R A (1959) | The Theory of Public Finance , McGraw Hill, Kogakusha, Tokyo |
| 5 | RA Musgrave & PB Musgrave | Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo |
| 6 | S K Singh | Public Economics |
| 7 | Om Prakash | Public Economics |
| 8 | M L Jhingan | Public Economics |
| 9 | H L Bhatia | Public Economics |
| 10 | Sodersten Bo | International Economics, Macmillan Press Ltd., London |
| 11 | Vaish MC and Sudhama Singh | International Economics, Himalaya Publishing, House, New Delhi |
| 12 | Salvatore, D L | International Economics, Prentice Hall |
| 13 | Mithani DM | International Economics, Himalaya, Mumbai |
| 14 | Mannar HG | International Economics, Vikas, Delhi |
| 15 | Desai | International Economics, Himalaya, New Delhi |
| 16. | Kenan, P.B. (1994) : The International Economy, Cambridge University Press, London | |
| 17. | Kindlberger, C.P. (1973) : International Economics, R.D. Irwin, Home wood | |
| 18. | Krugman, P.R. and M. Obstgeld (1994): International Economics: Theory and Policy, Glenview, Foresman | |
| 19. | Bhargava, R.N. (1971) :The Theory and Working of Union Finance in India, Chaitanya Publishing House,Allahbad | |
| 21. | Houghton, E.W. (Ed.) (1988) : Public Finance, Penguin, Baltimore | |
| 22. | Mithani, D.M. (1998) : Modern Public Finance, Himalaya Publishing House, Mumbai | |
| 23. | Vaish & Sundaram : Public Finance , Himalaya Publishing House, Mumbai | |
| 24. | Hugh Dalton : Principles of Public Finance | |

Girraj Government College (Autonomous), Nizamabad

Department of Economics, B.A. II Year (2017-18),

Model Question Paper Pattern for

Semester-III: Core Course: Quantitative Methods for Economic Analysis (Credits - 5)

(w.e.f. 2017-18) Total Marks-100

and

Semester-IV: Core Course: Public Finance and International Economics (Credits - 5)

(w.e.f. 2017-18) Total Marks-100

External Examination

Time: 2.30Hrs

Max.Marks:70

SECTION-A

- Note:** i) Answer any **Five** of the Following questions. (5x4=20 Marks)
ii) Each Answer should not exceed one page
iii) All questions carry equal marks.

- Q.1. Unit -I
Q.2. Unit -I
Q.3. Unit -II
Q.4. Unit -II
Q.5 Unit -III
Q.6. Unit -III
Q.7. Unit -IV
Q.8. Unit - IV
Q.9. Unit – V
Q.10. Unit – V

SECTION-B

- Note:** i) Answer All the questions. (5x10=50 Marks)
ii) Each Answer should not exceed three pages
iii) All questions carry equal marks.

- Q.11. a) or b) from Unit – I (with internal choice)
Q.12. a) or b) from Unit – II (with internal choice)
Q.13. a) or b) from Unit – III (with internal choice)
Q.14. a) or b) from Unit – IV (with internal choice)
Q.15. a) or b) from Unit – V (with internal choice)

Internal Examination

Time: 30 Minutes

Max.Marks:30

A.	Assignments:	05
B.	Student Seminars:	05
C.	Written test:	20 (Internal assessment with average of two)
	Total	30

Girraj Government College, (Autonomous), Nizamabad
Department of Economics
B.A. III Year, Semester –V (Paper - V), (w.e.f 2016-17)
COURSE – V: INDIAN ECONOMY

Syllabus

Unit – I: Basic Structure of the Indian Economy: Concepts of Development, Underdevelopment,– Basic Features of Indian Economy: Growth and Structural Changes in Indian Economy – Demographic Features – Population: Size, Growth, Composition and their Implications on Indian Economy – Concept of Demographic Dividend – Occupational Distribution of Population in India – Population Policy of India.

Unit – II: National Income, Poverty and Unemployment: Estimation of National Income – Trends and Composition of National Income in India – Income Inequalities in India: Magnitude, Causes, Consequences and Remedial Measures – Poverty in India: Concept, Types, Trends, Causes and Consequences – Unemployment in India: Concept, Types, Trends, Causes and Consequences – Poverty Alleviation and Employment Generation Programmes in India

Unit – III: Planning and Public Policy: Five Year Plans: Concept and Objectives – Review of Five Year Plans – 12th Five Year Plan – NITI Aayog – Economic Reforms: Liberalisation, Privatisation and Globalisation – A Critical Evaluation.

Unit – IV: Agricultural Sector: Importance and Role of Agriculture in Indian Economy – Trends in Agricultural Production and Productivity – Land Reforms – Green Revolution – Agricultural Finance – Agricultural Marketing – Agricultural Pricing – Food Security in India

Unit – V: Industrial and Service Sector: Structure, Growth, Importance and Problems of Indian Industry – Large, Medium and Small Scale Industries: Role and Problems – Industrial Policies of 1948, 1956 and 1991 – Disinvestment Policy – Concept and Components of Service Sector – Infrastructural Development: Transport, Banking, Insurance, Information Technology, Communication and Tourism.

Reference Books

- | | |
|-------------------|--|
| SK Misra and Puri | : Indian Economy, Himalaya Publishing House |
| Ishwar C Dhigra | : The Indian Economy: Environment and Policy, SC Chand & Sons, New Delhi |
| Dutt and Sundaram | : Indian Economy |

Girraj Government College, (Autonomous), Nizamabad
Department of Economics
B.A. III Year- International Economics
Elective for Semester-V, Paper-VII(a), (w.e.f 2016-17)
Syllabus

Unit-I: Introduction

Inter-Regional and International Trade, Importance of International Trade, Factors Determining International Trade, Trade as an Engine for Economic Growth

Unit-II: Theories of International Trade

Theory of Absolute Advantage, Theory of Comparative Cost, Hecksher-Ohlin Theory of International Trade, Terms of Trade:- Gross and Net Barter Terms of Trade, Income terms of Trade.

Unit-III: Balance of payments-I

Balance of Payments (BOP)- Balance of Trade- Causes for Disequilibrium in BOP-Adjustment Mechanism-India's Balance of Payment before and after 1991;

Unit-IV: Tariffs and Quotas

Tariffs and Quotas: - Types of Tariffs-Concept of Optimum Tariff-Impact of Tariffs and Quotas on Economy-Difference between Tariffs and Quotas.

Unit-V: Foreign trade in India

Trends in the Composition and Direction of India's Foreign Trade. EXIM policy, FEMA, FDI, Functions of IMF and IBRD- Impact of WTO on India.

References:-

1. H.G.Mannur-International Economics, Vikas Publishing House Pvt Ltd, 1999.
2. M.L.Jingam-International Economics, Vrinda Publications P Ltd.; 6e Edn, 2014.
3. [Paul R. Krugman](#) & [Maurice Obstfeld](#) - International Economics: Theory and Policy, Pearson Education, 2008.
4. Rajat Aacharya- International Economics: An Introduction to Theory and Policy, Oxford University Press, New Delhi, 2013.
5. Peter B. Kenen- - International Economy, Cambridge University Press; 3rd Edn., 1994.
6. Bo Soderston- International Economics, Wiley India Pvt. Ltd.; 18th Edn., 2007.
7. Francis Cherunilam- International Economics, Mcgraw-Hill, 5th Edn., 2008.
8. Telugu Academy: - Public Finance and International Trade,2009 & 2013.

Girraj Government College, (Autonomous), Nizamabad
Department of Economics
B.A. III Year- Quantitative Techniques-I
Elective for Semester –V, Paper-VII(b), (w.e.f 2016-17)

Syllabus

Unit-I: Introduction

Uses and Importance of Mathematics in Economics .Function –concept of function and types of function –Graphical Solution –study of Graphs.

Unit-II: Differentiation

Differentiation of a function –Maxima of Minima, Elasticities and measurements, interpretation of Revenue and cost function

Unit-III: Matrices

Matrices –types of matrices, simple operation on matrices, Addition, Subtraction, Multiplication and Equality of matrices.

Unit-IV: Determinants:

Meaning and Importance of Determinants –Rank of a matrix, inverse of a matrix (2 X 2 only) Crammers rule.

Unit-V: Statistics

Meaning and Importance of Statistics in Economics, techniques of data collection, sampling and census method.

References:

1. K. Sydsaer and P.J Hamood-“Mathematics for Economic Analysis”, Pearson’s Education, Delhi, 2002.
2. A.C Chiang- “Fundamental methods of Mathematical Economics”, Mc Graw Hill,1984.
3. S.P Guptha and V.K Kapoor- “Fundamental methods of Mathematical Statistics”, S. Chand & Co., 2005.
4. Yameno Taro- “Mathematics for Economics”, Prentice Hall of India, New Delhi,1988,2nd Edition.
5. A. Mizrahi and M. Sllivan- Mathematics for Business and Social Science- Applied Approach, John Willey,1985.
6. E. Dowling- An Introduction to Mathematical Economics, Schaums Outline Series, 2007.
7. Telugu Academy:- Parimaanatmaka Prakriyalu, 2012.

Girraj Government College, (Autonomous), Nizamabad
Department of Economics
B.A. III Year, Semester –VI (Paper- VI), (w.e.f 2016-17)
Course-VI : Economics of Development and Infrastructure
Syllabus

Unit-I: Economic Development and Growth: Concepts of Economic Growth and Development - Measuring Economic Development: Per Capita Income, Basic Needs, Physical Quality of Life Index, Human Development Index and other indices

Unit-II: Factors of Economic Development: Characteristics of Under Developed Countries - Factors determining Economic Development - Population and Economic Development - Theories of Demographic Transition - Human Resource Development and Economic Development.

Unit-III: Theories of Economic Development: Nurkse's Balanced Growth Strategy, Hirsch Man's Un-balanced Growth Strategy – Lewis' Theory of Unlimited Supply of Labour – Rodan's Big-push Theory - Schumpeterian Theory of Innovations - Choice of Techniques

Unit-IV: Infrastructure and Economic Development: Infrastructure and Economic Development – Infrastructure as a Public Good – Social and Physical Infrastructure – Special Characteristics of Public Utilities – Social Infrastructure: Education and Health

Unit-V: Physical Infrastructure: Energy: Sources and Importance of Energy: Renewable and Non-conventional Energy –Information and Communication Technology (ICT) – Role of ICT in Economic Development – Transportation: Modes of Transport – Role of Transportation in Economic Development

References:

- Mier, Gerald, M : Leading issues in Economic Development, OUP, Delhi
Todaro, Micheal P : Economic Development in the third world, Orient Longman, Hyderabad
Ghatak Subrata : Introduction to development economics
Sukumoy chakravarthy : Development Planning- Indian Experience, OUP, Delhi
Misra & Puri : Economic Development and Planning, theory and practice
Crew, M.A & P.R. Kleindorfer: Public Utility Economics, Macmillan, London.
Kneafsey, J.T : Transportation Economic Analysis, Lexington, Torouts.
McCrakis, M.S.(Ed.) : Energy, Demand Conservation and Institution Problems, Macmillan, London.
Norton, HS : Modern Transport Economics, CE Merrill, London.
Panchamukhi, P.R. : Economics of Health: A Trend Report in ICSSR, A Survey of Research in Economics, Vol. VI, Infrastructure, Allied, Delhi.
Tilak, J.B.G. : Education for Development in Asia, Sage Publications, New Delhi.

Girraj Government College, (Autonomous), Nizamabad
Department of Economics
B.A. III Year, Semester-VI, Paper VIII(a), (w.e.f 2016-17)
COURSE – VIII (a): TELANGANA ECONOMY
Syllabus

UNIT – I: Telangana Economy: Human Resources: Economic History of Telangana – Demographic Features of Telangana – Occupational Distribution of Population in Telangana – Sectoral Distribution of Population – Migration - Social Infrastructural Development: Education and Health

UNIT – II: Gross Domestic Product, Poverty and Unemployment: Trends in Gross State Domestic Product and Per Capita Income in Telangana – Sectoral Contribution to Gross State Domestic Product – Inequalities in the Distribution of Income and Wealth – Poverty in Telangana: Trends, Causes & Consequences – Unemployment in Telangana: Trends, Causes & Consequences – Poverty Alleviation & Employment Generation Programmes in Telangana – Other Welfare Programmes in Telangana

UNIT – III: Agricultural Sector: Growth of Agriculture in Telangana Economy – Trends in Agricultural Production and Productivity – Determinants of Agricultural Productivity – Cropping Pattern- Agrarian Structure and Land Reforms – Irrigation: Sources and Trends – Mission Kakatiya - Agricultural Credit and Rural Indebtedness – Agricultural Marketing – Food Security in Telangana

UNIT – IV: Industrial Sector: Structure of Telangana Industry – Growth and Pattern of Industrial Development in Telangana – Industrial Policy of Telangana – Special Economic Zones (SEZ) – Role of Small Scale Industries in Telangana Economy – Problems & Remedial Measures of Small Scale Industries: Issue of Sickness – Industrial Finance in Telangana

UNIT – V: Service and Infrastructural Sectors: Importance of Tertiary Sector in Telangana – Infrastructural Development in Telangana: Transport, Energy, Communication and Information Technology – Science & Technology – Banking & Insurance – Tourism Development – Regional Imbalances: Causes, Consequences & Remedial Measures

References:

- Telugu Akademi (2015) : Telangana Economy
: Socio-Economic Survey of Telangana
: Bangaru Telangana Toli Adugulu

Girraj Government College, (Autonomous), Nizamabad
Department of Economics
B.A. III Year- Quantitative Techniques-II
Elective for Semester –VI, Paper-VIII (b), (w.e.f 2016-17)

Syllabus

Unit-I: Measures of Central Tendency

Measure of Central Tendency –Mean, Median, Mode, and their Merits and demerits –Dispersion Range, QD, MD, SD, -Variations, Lorenz curve.

Unit-II: Correlation

Meaning and types of correlation, correlation coefficient Karl Pearson's correlation coefficient and Spearman's Rank correlation uses and limitations of correlation in Economics.

Unit-III: Regression Analysis

Meaning of Regression –Distinction between correlation and Regression –Estimation of Regression Line .Uses and Limitations of Regression Analysis in Economics.

Unit-IV: Time Series Analysis

Meaning and Importance of Times series, concepts and components of time series, Determination of trends by moving average method.

Unit- V: Index Numbers

Meaning and Importance of Index Numbers concept and uses of index numbers, Method of estimation –laspeyer's, pasche's and Fisher's Index numbers, Problems and Limitations of Index numbers.

References:

1. K. Sydsaer and P.J Hamood-“Mathematics for Economic Analysis”, Pearson's Education, Delhi, 2002.
2. A.C Chiang- “Fundamental methods of Mathematical Economics”, Mc Graw Hill,1984.
3. S.P Guptha and V.K Kapoor- “Fundamental methods of Mathematical Statistics”, S. Chand & Co., 2005.
4. Yameno Taro- “Mathematics for Economics”, Prentice Hall of India, New Delhi,1988,2nd Edition.
5. A. Mizrahi and M. Sllivan- Mathematics for Business and Social Science- Applied Approach, John Willey,1985.
6. E. Dowling- An Introduction to Mathematical Economics, Schaums Outline Series, 2007.
7. Telugu Academy:- Parimaanatmaka Prakriyalu, 2012.

Department of Economics
Model Question Paper Pattern for B.A. III Year
Semester-V and VI (Paper V, VI, VII (a&b) and VIII (a&b)) (w.e.f 2016-17)
Total Marks: 100

External Examination

Time: 2.30Hrs

Max.Marks:70

SECTION-A

Note: I) Answer All the questions.

ii) Each Answer should not exceed two lines

iii). All questions carry equal marks (5 x 2=10Marks)

- Q.1. Module – I
- Q.2. Module – II
- Q.3. Module – III
- Q.4. Module - IV
- Q.5. Module – V

SECTION-B

Note: i) Answer any **Five** of the Following questions. (5x4=20 Marks)

ii) Each Answer should not exceed one page

iii) All questions carry equal marks.

- Q.6. Module-I
- Q.7. Module-I
- Q.8. Module-II
- Q.9. Module-II
- Q.10. Module-III
- Q.11. Module-III
- Q.12. Module-IV
- Q.13. Module- IV
- Q.14. Module – V
- Q.15. Module – V

SECTION-C

Note: i) Answer All the questions. (5x8=40 Marks)

ii) Each Answer should not exceed three pages

iii) All questions carry equal marks.

- Q.16. a) or b) from Module – I (with internal choice)
- Q.17. a) or b) from Module – II (with internal choice)
- Q.18. a) or b) from Module – III (with internal choice)
- Q.19. a) or b) from Module – IV (with internal choice)
- Q.20. a) or b) from Module – V (with internal choice)

Internal Examination-

Max.Marks:30Marks

A.	Assignments:	05
B.	Student Seminars:	05
C.	Written test:	20 (Internal assessment with best of two)
	Total	30