

**Department of Economics**  
**Kakatiya University, Warangal – 506 009(T.S)**

**B.A. (Economics) Syllabus**  
**Choice Based Credit System - w.e.f. 2019-20**

Year	Semester	DSC/GE/ DSE/SEC	Paper	Title of the paper	Credits	PPW (Periods per Week)
I	I	DSC*101	Paper - I	Micro Economics	5	6
		AECC***	AECC	Environmental Science/ Basic Computer Skills	2	2
	II	DSC*201	Paper - II	Macro Economics	5	6
II		AECC	AECC	Environmental Science/ Basic Computer Skills	2	2
	III	DSC-301	Paper - III	Statistics for Economics	5	6
		SEC-1	SEC-I	Basic Computer Applications in Economics	2	2
		SEC-2	SEC-II	Economics of Rural Development	2	2
	IV	DSC*401	Paper - IV	Indian Economy	5	6
		SEC-3	SEC-III	Data Analysis	2	2
		SEC-4	SEC-IV	Entrepreneurship and Development	2	2
III	V	GE**	Paper - I	Telangana Economy	4	4
		DSE*501	Elective - A	Agricultural Economics	5	5
		DSE*501	Elective - B	Public Economics	5	5
		DSE*501	Elective - C	Economics of Environment	5	5
		DSE*501	Elective - D	Economics of Social Sector	5	5
	VI	DSE*601	Paper - A	International Economics	5	5
		DSE*601	Paper - B	Development Economics	5	5
		DSE*601	Paper - C	Industrial Economics	5	5
		DSE*601	Paper - D	Demography	5	5
		Project/ Optional	Project/ optional	Financial Economics	4	4

\*DSC(DisciplineSpecificCourse),SEC(SkillEnhancementCourse)&DSE(Discipline Specific Elective)for Students of Economics.(PW) Per week.

\*\*GE(Generic Elective)or Inter-Disciplinary Course for Students of Social Sciences other than Economics.

\*\*\* AECC(Ability Enhancement Compulsory Course

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - I**  
**Discipline Specific Course**  
**Paper (I) MICRO ECONOMICS**

**Module-I: Consumer Behaviour:**

Cardinal Approach to Utility Analysis - Ordinal utility Analysis - Properties of Indifference curves - concept of budget line - equilibrium of consumer - price consumption curve - income consumption curve - derivation of demand curve with the help of Indifference Curves' Analysis - Concepts of price - income and substitution effects.

**Module-II Production Analysis**

Concept of Production Function - Linear and homogeneous production function - Short run and long run production function – Law of Variable Proportions - Laws of Returns to Scale - Properties of iso-product curves - concept of factor price line - analysis of least cost input combination - concepts of expansion path and economic region of production - Properties of Cobb-Douglas Production Function.

**Module-III: Cost and Revenue Analysis**

Cost concepts: Accounting, real, opportunity, explicit costs - Total cost- total fixed cost - total variable cost - average cost - average fixed cost - average variable cost - marginal cost and the relationship between average and marginal cost - derivation of long run average cost curve - Economies of scale: internal and external - Revenue concepts: total - average and marginal - relationship between Average revenue & marginal revenue and price elasticity of demand.

**Module-IV: Analysis of Market Structure:**

Concepts & Classification of Markets –Basic Features of Perfect Competition - Monopoly-Equilibrium of a monopolist – Concept of Price discrimination & degrees of price discrimination- Monopolistic competition – characteristics - concepts of product differentiation and selling cost - Equilibrium under Monopolistic competition – Oligopoly- characteristics of oligopoly – Price and output determination – Analysis of Kinked Demand Curve – Concept of Duopoly - Cournot's version of duopoly.

**Module-V: Analysis of Business Firm and Profit**

Characteristics of a business firm, objectives of business firm: profit maximization, sales revenue maximization, market share maximization, growth maximization. Profit concepts: Accounting and economic; break-even point and profit –volume analysis

**References:**

1. M L Seth : Micro Economics
2. M L Jhinguan: : Micro Economics
3. H L Ahuja: : Modern Micro Economics
4. Koutsainies; : Modern Micro Economics
5. Stonier and Hague : Micro Economics
6. Salvatore : Micro economics
7. Schaum Series : Micro economics
8. Pyndick : Micro economics
9. Gregory Mankiw : Principles of Micro Economics

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - II**  
**Discipline Specific Course**  
**Paper – II MACRO ECONOMICS**

**Module– I: Introduction**

Macro Economics – Concept of Circular Flow of Incomes –National Income Analysis: Concepts and Components – Methods of Measurement –Difficulties and Limitations in the Estimation of National Income.

**Module– II: Theories of Income and Employment**

Classical Theory of Income and Employment - Keynesian Theory of Income and Employment- Effective Demand – 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 and Accelerator

**Module– III: Investment & Theories of Interest Rate**

Capital and Investment- Types of Investment- Determinants of Level of Investment – Marginal Efficiency of Capital and Marginal Efficiency of Investment- Neo-Classical and Keynesian Theories of Interest.

**Module – IV: Supply of Money & Demand for Money**

Functions and Classification of Money – Money Supply – 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.

**Module– V: Inflation & Trade Cycles**

Inflation: Concept, Types, Causes and Measurement – Effects of Inflation – Measures to Control Inflation – Concepts of Phillips Curve, Deflation and Stagflation – Trade Cycles: Concept, Causes and Phases of trade cycle.

**Reference Books:**

- Ackley, G (1976) : Macro Economics: Theory and Policy, Macmillan, New York  
Shapiro, E (1996) : Macro Economic Analysis, Galgotia Publications, New Delhi  
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  
Gupta, SB : Monetary Economics: Institutions, Theory and Policy  
M.L. Seth : Macro Economics, Lakshmi Narain Agarwal, Agra, 2006

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - III**  
**Discipline Specific Course**

**Paper- III STATISTICS FOR ECONOMICS**

**Module– I: 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)

**Module– II: 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

**Module– III: Correlation and Regression**

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

**Module– IV: Index Numbers**

Meaning and Uses – Aspects and Difficulties in the Construction of Index Numbers - Types of Index Numbers –Methods of Index Numbers - Laspayer, Paasche and Fisher.

**Module– V: 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.

**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  
Chiang, AC : Fundamental Methods of Mathematical Economics McGraw Hill,  
New Delhi Nagar &Das:Basic Statistics  
S.P. Gupta : Statistics  
G.S. Mongha : Mathematics for Economists

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - III**  
**Skill Enhancement Course-I**

**Paper – I**

**BASICS OF COMPUTER APPLICATIONS IN ECONOMICS**

**Module-I: Introduction of Computers**

Definition - Evolution of Computer - Computer Generations - Micro Computers - Structure of Computer - Uses of Computer - Basic Components of Computer - Central processing Unit (CPU) Operating System – Window Operating System - Salient Features - Merits of Windows Operating System - Accessories - System tools - Scan Disk - Word Pad - Note Pad - Paint - Imagination - Windows Explorer - Ms- Word: Creating, Opening and saving files - editing and formatting text - spell and grammar check - auto correct - creation of tables and volumes.

**Module – II Data Analysis using SPSS:** Basics of Data Analysis – Data Entry in SPSS – Computing with SPSS – Preparation of Graphs with SPSS – Distribution Functions and Density Functions – Statistical Package handling and command description for SPSS – Reports, Descriptive – Statistics, Compare Means, Time Series Analysis, Correlation and Regression Models.

**References**

1. Sinha, P.K. : Computer Fundamentals, BPB Publications, New Delhi.
2. Raja Raman.V. : Fundamentals of Computers, PHI, New Delhi.
3. Kerns : Essentials of Microsoft Windows, Word and Excel, PHI.
4. Alexis Leon & Mathews Leon : Introduction to Computers with Ms-Office, TMH.
5. Asthana & Braj Bhushan : Statistics for Social Sciences (with SPSS applications), PHI.

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - III**  
**Skill Enhancement Course-I**

**Paper – II ECONOMICS OF RURAL DEVELOPMENT**

**Module-I Aspects of Rural Development**

Concept of Rural Development, Rural Development vs. Agricultural Development, Role of NGOs in Rural Development, Rural Non farm sector and Rural Development, Decentralized planning and Participatory development, role Panchayats in decentralized in rural development.

**Module-II Rural Credit and Self Help Groups**

Role of National Bank for Agriculture and Rural Development (NABARD) for rural development, Constraints of micro-enterprises in rural areas, credit need for rural non farm sector, the concept of micro credit, Micro credit role of Grameen Bank, SHG's in India Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) and rural development.

**References**

1. Katar Singh , Rural Development : Principles, Policies and Management, Sage Publications, New Delhi
2. K.G. Karmakar, Rural Credit and Self-Help Groups, Sage Publications, New Delhi
3. S.Sau, Rural Industrialization –Development Trajectory in India, Farma K.L.M., Kolkata
4. Misra D. and Puri K. Indian Economy, Himalaya Publishing House
5. Datt and Sundharam (Revised by G.Datt and A. Mahajan), Indian Economy, 70th edition, S. Chand
6. N. Narayanasami, Participatory Rural Appraisal: Principle, Methods and Applications, Sage Publications, New Delhi, 2009.
7. Vasant Desai, A Study of Rural Economics, Himalaya Publishing House, New Delhi.
8. Mahi Pal, —Panchayati Raj and Rural governancell, Economic and Political Weekly, Jan. 10-16, vol. XXXIX, 2004,No.2, p.13 16.
9. Raghava, D. V. Rao, Panchayats and Rural Development, Ashish Publishing House, New Delhi, 1980.
10. Ram Reddy, Pattern of Panchayati Raj in India, Heritage Publishers, New Delhi, 2

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - IV**  
**Discipline Specific Course**

**Paper –IV**  
**INDIAN ECONOMY**

**Module I: Structure of the Indian economy:**

Indian Economy at the time of Independence - Changes in the Composition of National Income and Employment - Natural Resource base - Land, Water, Forest, Mineral and Metal Resources - Population: Size, Growth and Composition and their implications for Indian economy.

**Module II: Indian Agriculture:**

Importance of Agriculture - Trends in Agricultural Production and Productivity. Land Reforms - Green Revolution - Agricultural Finance - Agricultural Marketing - Agricultural Price Policy - Food Security in India.

**Module III: Indian Industry:**

Importance of Industrialization - Trends in Industrial Production - Industrial Policy Resolutions - 1948, 1956, 1991 - Role of Public and Private Sectors - Formal and Informal Sectors in Industry.

**Module IV: NIIT AAYOG:**

Evolution of Planning Commission – Failures and Demise of planning commission - Genesis of NITI Aayog: structure and composition of NIIT Aayog, Functions and objectives of NIIT Aayog, Differences between NIIT Aayog and planning commission - NIIT Aayog role in strategic planning and development.

**Module-V Service Sector and Economic Reforms:**

Concept, Components, Trends and Role of Service Sector - Infrastructural Development- Transport, Banking, Insurance, and Information Technology - Economic Reforms- Liberalization, Privatization, and Globalization- A critical evaluation.

**References:**

- |                      |   |
|----------------------|---|
| 1. SK Misra and Puri | : Indian Economy, Himalaya Publishing House.                                |
| 2. Ishwar C Dhigra   | : The Indian Economy: Environment and Policy,<br>SC Chand & Sons, New Delhi |
| 3. KPM Sundaram      | : Indian Economy  |
| 4. PK Dhar           | : Growing Dimensions of Indian<br>Economy, Kalayani Publisher.              |

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester – IV**

**SEC-3 Data Analysis**

**Module -I: Collection and representation of data**

Collection of data (some methodological issues), Census, Sample survey  
Representation of data the basic of data Management in stata / R / Eviews / SPSS / MS Excel

**Module-II: Indian official statistics (Basic concepts)**

Central statistical office (CSO) – National Accounts statistics (NAS) Industrial statistics (ASI, IIP) National sample survey Office (NSSO) - Household Consumer Expenditure Survey Rounds - Employment and Unemployment Survey Rounds - Census of India – Population Census 2011 - Reserve Bank of India (RBI) – Handbook of statistics on Indian Economy Selected Parts)

**Suggested Readings:**

1. Goon A.M, Gupta, M K, and Dasgupta, B. *Fundamentals of Statistics (volume One)*, The World Press private Ltd
2. GOI, *Note sample Design and Estimation procedure of NSS 68<sup>th</sup> Round, national Sample Press private Ltd*
3. GOI. *SRS statistical Report 2016* office of the Registrar General & Census
4. Commissioner of India

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester – IV**

**SEC-4**  
**ENTREPRENEURSHIP AND DEVELOPMENT**

**Module-I Basic Issues of Entrepreneurship and Economic Development**

Basic features of Entrepreneurship - Entrepreneurship and its linkages with economic development - Growth of entrepreneurship in India - Role of entrepreneurship in Economic Development and problems of rural entrepreneurship in India.

**Module-II Financial Resources for new ventures of an entrepreneur:**

Source of finance - capital structure - Institutional support to enterprises- National Small Industries Board- State Small Industries Development Corporation- District Industrial estates- Indian Experience, Stages of growth, types of growth strategies of expansion, Diversification - joint venture, merger and subcontracting.

**References:**

1. S.S. Khanka Entrepreneurial Development, S Chand & Company Ltd.
2. David. H. Holt- Entrepreneurship New Venture Criterion
3. Poornima M. Entrepreneurship Development and Small Business Enterprises (2<sup>nd</sup> Edition Pearson)
4. Datt and Sundaram (Revised by A. Mahjan), Indian Economy, 70<sup>th</sup> Edition, S Chand.

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester – V**

**Generic Elective**

**Paper – I TELANGANA ECONOMY**

**Module- I: Telangana Economy**

Economic Features of Telangana, Demographic Features of Telangana- Occupational Distribution of population in Telangana- Sectoral Distribution of population.

**Module- II: Gross State Domestic Product, Poverty and Unemployment**

Growth and Trends in Gross State Domestic Product and Per capita income in Telangana- Sectoral Contribution to Gross State Domestic Product - Poverty and unemployment in Telangana: Trends, Causes & Concentration of Economic Power.

**Module- III: Agricultural Sector**

Growth of Agriculture in Telangana Economy - Trends in Agricultural Production and Productivity - Agrarian Structure and Land Reforms - Irrigation sources Trends- Mission Kakatiya - Agricultural Credit and Rural Indebtedness.

**Module- IV: Industrial Sector and Service Sector**

Structure of Telangana Industry- Its Growth and Pattern Industrial Policy of Telangana-TS iPASS Special Economic Zones. Importance of Service Sector in Telangana- Growth and Pattern of Development of Service Sector in Telangana.

**Basic Reading List:**

1. Rao S Kishan and Rahul A Shastry (2009): Andhra Pradesh Economy – Dynamics of Transformation with a focus on Regional Disparities, National Academy of Development,
2. Hanumantha Rao and S.Mahender Dev (2003); Andhra Pradesh Development – Economic Reform and Challenges Ahead, Centre for Economic and Social Studies, Hyderabad.
3. Kankalatha Mukund (1990); “Andhra Pradesh Economy in Transition; Centre for Economic and Social Studies, Hyderabad and Book Links Corporation, Hyderabad.
4. Mahendra Dev, S.C.Ravi and M.Venkatanarayana (2009); Human Development in Andhra Pradesh: Experiences, Issues and Challenges; Centre for Economic and Social Studies (CESS), Hyderabad.

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester – V**  
**Discipline Specific Elective**

**Paper -V (A)**  
**AGRICULTURAL ECONOMICS-**

**Module-I**

Nature and scope of agricultural economics - Factors affecting agricultural development, technological, institutional and general -Interdependency between agriculture and industry.

**Module-II**

Concept of production function: input and product relationship in farm production. Resource use and efficiency - Production function analyses in agriculture - Factor combination and resource substitution.

**Module-III**

Growth and productivity in Indian agriculture - Recent trends in agricultural growth in India Agrarian reforms and their role in economic development - Inter-state variations in growth of output and productivity; cropping pattern shifts - Supply of inputs - Pricing of inputs and role of subsidies.

**Module-IV**

Systems of farming - farm size and productivity relationship in Indian Agriculture - New agriculture strategy and Green revolution and its impact.

**Module-V**

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

**Reference Books:**

1. Sadhu An, Singh Amarjit and Sing Jasbir (2004) Fundamental of Agriculture Economics, Himalaya Publishing House, Delhi.
2. Lekhi RK and Sigh Joginder, Agriculture Economics, Kalyani Publishers.
3. Government of India (1976) , Report of the National commission on Agriculture, New Delhi
4. Bilgrami, S.A.R. (1996) Agriculture Economics Himalaya Publishing House, Delhi.
5. Dantwala, M.L. et al (1991) Indianan Agriculture Development since Independence, Oxford& IBH, New Delhi.

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - V**  
**Discipline Specific Elective**

**Paper – V (B)**  
**PUBLIC ECONOMICS**

**Module - I: Introduction**

Meaning and importance of Public finance -Evolution of public finance. Multiple theories of public household-Public and Private goods-Markets mechanism in public and private goods. State as an agent of planning and development

**Module- II: Public Expenditure**

Theories of public expenditure- Wagner' s law of increasing state activities – Peacock Wisemans hypothesis- Principle of Maximum Social advantage –Growth and pattern of public expenditure, Effects of public expenditure-Cost benefit analysis.

**Module- III: Taxation & Public Debt**

Approaches to taxation- Benefit approach, Ability to pay approach and Neutrality approach- Elasticity and buoyancy of taxation-incidence and shifting of taxation-Types and classification of taxes and VAT, Approaches to public debt.

**Module- IV: Fiscal Policy & Federal Finance**

Definition of fiscal policy and its objectives; Fiscal Policies for redistribution of income and wealth and stabilization – fiscal policies in a developing country, federal financial structure and its main features – Direct taxes-Income tax-Corporate tax. Indirect tax structure- –GST

**Module- V: Budget**

Budget – Classification of budgets –Economic, Functional, organizational, classification of budgets- performance programming and zero based budgets- surplus, balanced and deficit budgets- Concepts of budget deficit and their implications – State and Central budgets. Fiscal crisis and Fiscal sector reforms in India

**References**

1. Atkinson, A Band J.E Siglitz (1980) : Lecturers on Public Economics, Tata McGraw Hill, New York.
2. Auerbach, A J and M. Feldson (Eds.) (1985): Handbook of Public Economics, Vol. 1, North Holland, Amsterdam.
3. Buchanan, J M (1970): The Public Finances, Richard D Irwin, Homewood.
4. Goode, R (1986): Government Finance in Developing Countries, Tata McGraw Hill, New Delhi.
5. Houghton, J M (1970): The Public Finance: Selected Readings, Penguin, Harmondsworth.
6. Jha, R (1998): Modern Public Economics, Routledge, London.
7. Menutt, P (1996): The Economics of Public Choice, Edward Elgar, U.K.
8. Musgrave, R A and P.B. Musgrave (1976): Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
9. S K Singh Public Economics
10. Om prakash Public Economics

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - V**  
**Discipline Specific Elective (DSE)**

**Paper –V (C)**  
**ECONOMICS OF ENVIRONMENT**

**Module- I: Theory and Concept of Environmental Economics**

Nature and Significance of Environmental Economics – definition and scope of environmental economics –Market Failure& Externality– Theories of Environmental Economics

**Module- II: Environment and Economics**

Environment and Economics- Inter linkage – Environment as a public good – Environment vs. Economic growth - Population and Environment linkage –Environmental Resources use allocation problem of Resources –Valuation of Environmental damages: land, water, air and forest.

**Module-III: Environmental Problems**

Economic development and environmental problems –Air, Water and Soil Pollution, Natural Resource Depletion, Deforestation, Industrial and Agricultural Pollution, Urbanization, Vehicular Pollution. Global warming and green house effect - Environmental degradation.

**Module -IV: Environmental Pollution Control**

Prevention, control and abatement of pollution –Choice of policy instruments in developing countries – Environmental Education- Environmental law – Sustainable development – indicators of sustainable development – Environmental Planning – Environmental accounting.

**Module-V: Policy measures**

Basic approach –Design of environmental policy –Indian environment policies and performance –Functions of Ministry of Environment and Forest and Pollution Control Boards.

**References:**

1. M. Karpagam (1993), Environmental Economics, Sterling Publishers, New Delhi.
2. S. Sankaran (1994), Environmental Economics, Margham, Madras.
3. N. Rajalakshmi and Dhulasi Birundha (1994), Environomics, Economic Analysis of Environment, Allied Publishers, Ahmedabad.
4. S. Varadarajan and S. Elangovan (1992), Environmental Economics, Speed, Chennai.
5. Singh G.N (Ed.) (1991) Environmental Economics, Mittal Publications, New Delhi.
6. Garge, M.R. (Ed.) (1996), Environmental Pollution and Protection, Deep and Deep Publications, New Delhi.
7. Lodha, S.L (Ed.)(1991), Economics of Environment, RBSAPublishers, Jaipur.

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - V**  
**Discipline Specific Elective (DSE)**

**Paper –V (D)**  
**ECONOMICS OF SOCIAL SECTOR**

- UNIT - I Health Economics - Health Dimensions of Development - Determinants of Health - Poverty, Malnutrition and Environmental Issues - Economic Dimensions of Healthcare - Demand and Supply  
- Financing of Healthcare and Constraints.
- UNIT – II Inequalities in Health - Class and Gender Perspectives - Institutional Issues in Healthcare Delivery – Maternal Mortality , Child Mortality and Nutritional Issues - Longevity – Ageing of Population
- UNIT - III Education - Education and Economic Growth - Human Capital Vs. Physical Capital - Demand for Education - Private Demand and Social Demand - Cost of Education - Private & Social Costs - Gender Inequalities – Role in Education.
- UNIT - IV Energy - Primacy of Energy in the Process of Economic Development - Factors Determining Demand for Energy- Effects of Energy Shortage - Energy Conservation - Renewable and Non- Conventional Sources of Energy.
- UNIT - V Social Sector and Economic Development - Information as a Public Good - Social and Physical Infrastructure - Economies of Scale of Joint Supply- Marginal cost Pricing Vs. Other Methods of Pricing in Public Utilities - Cross Subsidization - Free Prices, Equity and Efficiency

**READING LIST:**

- Berman, P : Health sector reform in Developing countries, Making Health Development Sustainable, Boston; Boston: Harvard Series on Population and International Health.
- Bhig, M : Introduction to Economics of Education, Penguin, London, 1972.
- Hlarman, H.E : The Economics of Health, Columbia University Press, New York, 1965.
- Crew, M.A and P.R. Kleindoyers : Public Utility Economics, Macmillan, London, 1979.
- Indian Council of Social Science Research (ICSSR) : Economics of Infrastructure, Vol. VI, New Delhi.
- Kneafsey, J.T : Transportation Economic Analysis, Lexington, Torouts, 1975.
- Mishra & Puri : Indian Economy, 2005.

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## **B.A. (ECONOMICS) SYLLABUS**

### **Semester - VI**

#### **Discipline Specific Elective**

### **Paper –VI (A) INTERNATIONAL ECONOMICS**

#### **Module - I: Theories of International Trade:**

Theories of absolute advantage, comparative advantage and opportunity costs; Theorem of factor price equalization; - Heckscher - Ohlin theory of trade, Leontief Paradox.

#### **Module - II: Trade and Growth**

Gains from Trade.-Trade as an Engine of Economic Growth. Concepts of Terms of Trade- Factors affecting Terms of Trade- Singer-Prebisch secular deterioration of Terms of Trade.

#### **Module- III: Tariff and Non-Tariff Barriers to Trade**

The basic analysis of Tariffs, Quotas, Protection and Imperfect Competition, Optimum tariff. Customs unions, trade barriers, Arguments for and against a Tariff.

#### **Module- IV: Balance of Payments**

Concepts and Components of BOP, Equilibrium and disequilibria in Balance of payments, Types of Disequilibria. Remedial measures to control disequilibrium. Causes of Devaluation. Direction and Composition of Foreign trade, Export and Import Policies of India.

#### **Module – V: Internal Factor movements**

International Movement of labor, international lending and world debt crisis, Foreign Direct Investment.

#### **References:**

1. Soderston B (1990): International Economics, Macmillan Press Ltd. London
2. Kindle Berger C P (1986): International Economics RD Irwin Concepts wood
3. Vaish MC&Sudhama Singh (2000): International Economics, Himalaya Publishing House, New Delhi
4. Francis Cherunilam: International Economics 4th Edition
5. Mithani DM (2000): International Economics, Himalaya, Mumbai
6. Desai:International Economics, Himalaya, New Delhi.

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - VI**  
**Discipline Specific Elective**

**Paper –VI ( B ) DEVELOPMENT ECONOMICS**

**Module- I: Economic Development and Growth:**

Concepts of Economic Growth and Development- Measurement of Economic Development: Per Capita Income, Basic Needs, Physical Quality of Life Index, Human Development Index and Gender Empowerment Measure. Role of State and Market in Economic Development

**Module- II: Factors in Economic Development:**

Factors effecting Economic Development-Characteristics of developing Countries- Population and Economic Development - Theories of Demographic Transition. Human Resource Development and Economic Development

**Module- III: Theories of Economic Development:**

Lewis, Rodan, Nurkse's Balanced Growth Strategy, Hirschman's Un-balanced Growth Strategy.

**Module- IV: Investment Criteria**

Choice of Techniques – Capital, labour and appropriate technology – Allocation of resources – Investment Criteria – Role of labour orientation methods in the development of third world countries – Role of capital formation in developing countries - Role of Technology in Economic Development.

**Module V :** Financing Economic Development External resources - FDI, Foreign aid vs. trade, technology inflow, MNC activity in developing countries; Borrowings - domestic and external; Burden of borrowing - IMF and World Bank.

**References:**

1. Mier, Gerald, M : Leading issues in Economic Development, OUP, Delhi
2. Todaro, Micheal P : Economic Development in the third world, Orient Longman, Hyderabad
3. Ghatak Subrata : Introduction to development economics
4. Sukumoy chakravarthy : Development Planning- ndian Experience, OUP, Delhi
5. Misra &Puri : Economic Development and Planning, Theory and practice

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - VI**  
**Discipline Specific Elective**  
**Paper –VI- (C) INDUSTRIAL ECONOMICS**

**Module I: Meaning and classification of Industries:**

Use-based, Resource Based and ASI Two and Three Digit classification- Industrial Location theories - Weber, Sargent Florence and Losch - factors affecting industrial location.

**Module II: Market Structure and Market Performance:**

Types of Markets based on Place, Time and Competition - Concepts & Organization of a firm - Market Structure - Sellers Concentration - Product Differentiation - Entry Conditions - Economics of Scale.

**Module III: Industrial Pattern under Five Year Plan:**

Industrial Economic Concentration and remedial measures - Industrial Policy 1991- Role of Public and Private Sectors - LPG Programme - Recent Trends in Industrial growth.

**Module IV: Industrial Finance:**

Industrial Finance: Owned, External and other Components of Funds; Role, Nature, Volume and types of Institutional Finance – State Level Financial Institutions and Commercial Banks.

**Module V: Indian Industries and Problems:**

Problems in Large Scale industries –Cotton textiles-Iron and Steel –Jute –Sugar-Rationalization – Importance and development of Small Scale and Cottage industries in India – Industrial Sickness- Regional imbalances in Industrial Growth.

**References:**

1. Ahuliwalia, I.J. (1985) Industrial Growth in India, Oxford University Press, New Delhi.
2. Barthwal, R.R. (1985), Industrial Economics, Wiley Eastern Ltd., New Delhi.
3. Chernuliam, F. (1994), Industrial Economics: Indian Perspective (3RD Edition), Himalaya Publishing House, Mumbai.
4. Desai, B. (1999), Industrial Economy in India (3rd Edition,) Himalaya Publishing House, Mumbai.
5. Divine, P.J. and R.M. Jones Et. Al (1976), An Introduction to Industrial Economics, George Allen and Unwin Ltd., London.
6. Hay, D. and D.J.Morris (1979), Industrial Economics: theory and evidence, Oxford University Press, New Delhi.
7. Kuchhal, S.C. (1980), Industrial Economy of India (5th Edition), Chaitanya Publishing House, Allahabad.
8. Sing, A and A.N.Sadhu (1988), Industrial Economics, Himalaya Publishing House, Mumbai.

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - VI**

**Discipline Specific Elective**

**Paper –VI (D) DEMOGRAPHY**

- Unit – I      Meaning and scope of demography - components of population-growth and their interdependence-Theories of population– Malthus and Optimum theory of population - Theory of demographic transition – Population and Development.
- Unit – II    Population trends in the twentieth century - population Explosion – Determinants of age and sex -structure- Aging of population – social economic implications.
- Unit – III    Fertility – Trends in fertility rates in developed and less developed countries- Factors affecting fertility – Nuptiality – concept and analysis of marital status
- Unit – IV    Mortality rates in more and less developed countries- Life table – construction and uses- concepts of stable population- Methods of population projection.
- Unit – V      Migration – Streams of migration - Factors affecting migration – Urbanization – trends in developed and developing countries – study of census in India-Trends in the rate of growth of Indian Population – Evolution of population policy – Population control to Measures - Family Planning strategies in India-New Population policy in India.

**READING LIST:**

1. S.N.Agarwal : India's population problem – Tata Mc Graw –Hill Co. Bombay.
2. Ahisha Bose: India's Basic Demographic statistics-B.R Publishing Corporation, New-Delhi.
3. P.K. Chowbey: Population policy in India – Kanishka Publications, New Delhi.
4. S.C Gulati: Fertility in India an Econometric study of a metropolis-Sage, New Delhi.
5. K.Srinivsan: Basic Demographic techniques and applications.-Sage, New Delhi
6. D.J. Bogue: Principles of Demography-John Wiley, New York.
7. C.M. Chiang: Life tables and Mortality Analysis.-WHO, Geneva.
8. CEHI, Dharmakumar (ed) Vol.2
9. Praveen Visaria, Population studies.
10. Dharma Kumar, Land and caste in south India.

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# **B.A. (ECONOMICS) SYLLABUS**

## **Semester - VI**

### **Optional Paper**

#### **FINANCIAL ECONOMICS**

##### **Module 1: Introduction to Indian Financial System:**

Overview of Indian Financial System – functions of financial system – players – structure and growth – regulatory bodies.

##### **Module 2: Money and Capital Markets:**

Indian money market – instruments – institutions – functioning of Indian money market – changes in the regulatory framework – growth – stocks and bonds – primary and secondary markets – process of initial public offer – offer of Government bonds – stock market functioning – stock indices – evaluation of stocks and bonds – understanding stock market information.

##### **Module 3: Foreign Exchange Market:**

Exchange rate – types – determination of exchange rate – nature of forex market – Nature of forex inflow and outflow – examples of ECBs and NREs – RBI and exchange rate management

##### **Module 4: Financial Derivatives:**

Need for derivatives – types of derivatives – example of how stock index derivatives could be used to hedge risks in stock market investment – evaluation of financial derivatives.

##### **Readings:**

1. Bhole, L.M. (2002), Indian Financial Institutions and Markets, Tata McGraw Hill Ltd, New Delhi.
2. David S. Kidwell, David W. Blackwell, David A. Whidbee, Richard L. Peterson, (2005) Financial Institutions, Markets, and Money, 9th Edition, Wiley Publication, New York.
3. Khan M.F., (2006), Indian Financial Institutions, Tata McGraw Hill Ltd, New Delhi.
4. Pathak, Bharathi V., (2007), The Indian Financial System: Markets, Institutions and Services, 2/e, Pearson Education India, New Delhi.

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