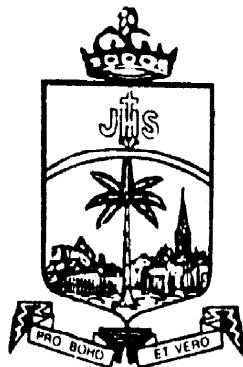


M.A. ECONOMICS
SYLLABUS : 2012

CHOICE BASED CREDIT SYSTEM
(CBCS)



St. JOSEPH'S COLLEGE (Autonomous)

Re-accredited with 'A' Grade (3rd Cycle) by NAAC

College with Potential for Excellence by UGC

TIRUCHIRAPPALLI - 620 002, INDIA.

FEATURES OF CHOICE BASED CREDIT SYSTEM

PG COURSES

The Autonomous (1978) St. Joseph's College, accredited with Five Star status in 2001, Re-accredited with **A+ Grade** from NAAC (2006), Re-accredited with **A Grade** from NAAC (3rd cycle), had introduced the Choice Based Credit System (CBCS) for PG courses from the academic year 2001-2002. As per the guidelines of Tamil Nadu State Council of Higher Education (TANSICHE) and the Bharathidasan University, the College has reformulated the CBCS in 2008-2009 by incorporating the uniqueness and integrity of the college.

OBJECTIVES OF THE CREDIT SYSTEM

- * To provide mobility and flexibility for students within and outside the parent department as well as to migrate between institutions
- * To provide broad-based education
- * To help students learn at their own pace
- * To provide students scope for acquiring extra credits
- * To impart more job oriented skills to students
- * To make any course multi-disciplinary in approach

What is credit system?

Weightage to a course is given in relation to the hours assigned for the course. Generally one hour per week has one credit. For viability and conformity to the guidelines credits are awarded irrespective of the teaching hours. The following Table shows the relation between credits and hours.

Sem.	Specification	No. of Papers	Hour	Credit	Total Credits
I - IV	Core Courses (Theory & Practical)	14	6	14 x 5	70
	Project	1	--	1 x 5	05
I - IV	3 - Core Electives	3	4	3 x 4	12
	1 - Soft Skill Course (Common) (IDC-1)				
	1 - Inter Dept. Courses (IDC-2)	2	4	2 x 4	08
I - IV	SHEPHERD - Extension Activity	~	70	5	05

Total Minimum Credits **100**

Other Additional Credits (Dept. Specific) **....**

However, there could be some flexibility because of practicals, field visits, tutorials and nature of project work.

For PG courses a student must earn a minimum of 100 credits. The total number of courses offered by a department is 20. However within their working hours a few departments can offer extra credit courses.

Course Pattern

The Post Graduate degree course consists of three major components. They are Core Course, Elective Course and Inter Departmental Course (IDC). Also 2 compulsory components namely Project / Project related items and SHEPHERD, the extension components are mandatory.

Core Course

A core course is the course offered by the parent department, totally related to the major subject, components like Practical, Projects, Group Discussions, Viva, Field Visits, Library Record form part of the core course.

Elective Course

The course is also offered by the parent department. The objective is to provide choice and flexibility within the department. The student can choose his/her elective paper. Elective is related to the major subject. The difference between core course and elective course is that there is choice for the student. The department is at liberty to offer three elective courses any semester. It must be offered at least in two different semesters. The staff too may experiment with diverse courses.

Inter Departmental Course (IDC)

IDC is an inter departmental course offered by a department for the students belonging to other departments. The objective is to provide mobility and flexibility outside the parent department. This is introduced to make every course multi-disciplinary in nature. It is to be chosen from a list of courses offered by various departments. The list is given at the end of the syllabus copies. Two IDCs must be taken by students which are offered in Semester II & III. In

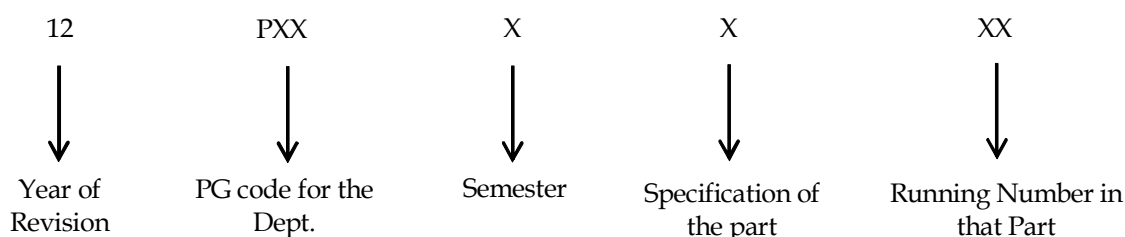
semester II, a common IDC, Soft Skills is to be offered by JASS (Joseph Academy of Soft Skills).

Day College (Shift-I) student may also take an IDC-2 from SFS (Shift-II) course and vice versa

The IDC are of application oriented and inter-disciplinary in nature.

Subject Code Fixation

The following code system (9 characters) is adopted for Post Graduate courses:



- 01 – Core Courses: Theory & Practical
- 02 – Core electives
- 03 – Additional Core Papers (if any)
- 04 – Inter Departmental Courses
- 05 – Project
- 06 – SHEPHERD

CIA Components

The CIA Components would comprise of two parts: (1) Test Components conducted by Controller of Examination (COE) and (2) Teacher specific component. The two centralized tests will be conducted by the COE (Mid-Semester Test & End-Semester Test) for 30% each administered for 2 hours duration. The remaining 40% would comprise of any three components as listed below and will be carried out by the faculty concerned for that paper.

- * Assignment, Quiz (Written / Objective), Snap Test, Viva-Voce, Seminar, Listening Comprehension, Reading Comprehension, Problem Solving, Map Reading, Group Discussion, Panel Discussion, Field Visit, Creative Writing, Open Book Test, Library Record, Case Study, etc.

- * As a special consideration, students who publish papers in referred journals would be exempted from one of the teacher specific internal components in one of the papers. At the beginning of each semester, the four internal components would be informed to the students and the staff will administer those components on the date specified and the marks acquired for the same will be forwarded to the Office of COE.

Evaluation

For each course there are formative continuous internal assessment (CIA) and semester examinations (SE) in the weightage ratio 50:50.

Once the marks of CIA and SE for each course are available, the Overall Percentage Mark (OPM) for a student in the programme will be calculated as shown below:

$$OPM = \frac{\sum_i C_i M_i}{\sum_i C_i} \text{ where } C_i \text{ is the credit earned for that course in any}$$

semester and M_i is the marks obtained in that course.

The Scheme of Over-all Results is as follows:

	PG	
Class	Arts (OPM)	Science (OPM)
SECOND	50 to 59.99	50 to 59.99
FIRST	60 to 74.99	60 to 79.99
DISTINCTION	75 & Above	80 & Above

Declaration of Result

Mr./Ms. _____ has successfully completed M.Sc./M.A. degree course in _____. The student's overall average percentage of marks is _____ and has completed the minimum 100 credits. The student has also acquired _____ (if any) additional credits from courses offered by the parent department.

M.A. Economics - Course Pattern

Sem.	Subject Code	Subject Title	Hrs/Week	Credits	
I	12PEC1101	Advanced Micro Economics - I	7	5	
	12PEC1102	Analysis of Indian Economy	6	5	
	12PEC1103	Public Economics	6	5	
	12PEC1104	Statistical Tools for Economics	6	5	
	12PEC1201A	Elective-I: Computer Application in Economics	5	4	
	12PEC1201B	Elective-I: Human Resource Development			
		TOTAL FOR SEMESTER I		30	24
II	12PEC2105	Advanced Micro Economics - II	7	5	
	12PEC2106	Mathematical Tools for Economics	7	5	
	12PEC2107	Macro Economic Process	6	5	
	12PEC2202A	Elective-II :Marketing Management	6	4	
	12PEC2202B	Elective-II: Labour Economics			
	12PSK2401	Soft Skills (IDC-I)	4	4	
		TOTAL FOR SEMESTER II		30	23
III	12PEC3108	Economics of Growth and Development	7	5	
	12PEC3109	Industrial Economics	7	5	
	12PEC3110	Monetary Economics	6	5	
	12PEC3203A	Elective-III : Optimization Techniques in Economics	6	4	
	12PEC3203B	Elective-III: Agricultural Economics			
	12PEC3402	IDC-II : Indian Economy	4	4	
		TOTAL FOR SEMESTER III		30	23
IV	12PEC4111	International Economics	6	5	
	12PEC4112	Research Methodology	6	5	
	12PEC4113	Economics of Social Sector	6	5	
	12PEC4114	Environmental Economics	5	5	
	12PEC4501	Project	7	5	
		TOTAL FOR SEMESTER IV		30	25
	12PEC4601	Extension Service: SHEPHERD	-	5	
		TOTAL FOR ALL SEMESTERS		120	100

* The code for IDC-II (Inter Departmental Course-II) will depend on the choice of the students (see in the last two pages of the syllabus copy)

12PEC1101

SEM: I

HOURS: 7

CREDITS: 5

ADVANCED MICRO ECONOMICS-I

OBJECTIVES

- ☞ To equip the students with the basic analytical skills on the economic behavior of individuals, firms and markets; and,
- ☞ To impart the knowledge on consumer and producer behavior to reach equilibrium.

UNIT I: INTRODUCTION AND BASIC CONCEPTS:

Basic Economic Problem - Choice and scarcity - Deductive and Inductive Methods of Analysis - Positive and Normative Economics - Economic models - Characteristics of Equilibrium and Disequilibrium. (18 HRS)

UNIT II: DEMAND ANALYSIS:

Elasticities (Price, Cross, Income) of Demand - Theoretical aspects and Empirical estimator - Elasticity of Supply - Theories of Demand - Utility, Indifference Curves (Price, income and substitution effects) - Slutsky Theorem - Revealed Preference Theory (Samuelson) - Revision of Demand Theory (Hicks) - Consumer Surplus - Developments in Demand Analysis - Modern Utility Analysis (Markovitz, Petersburg, Savage - Income Hypotheses). (18 HRS)

UNIT III: THEORY OF PRODUCTION AND COSTS:

Production Function - Short and Long Periods - Law of Variable Proportions and Returns to Scale - Iso-Quants - Least Cost Combination of Inputs - Economies of Scale - Multi-Product Firm - Elasticity of Substitution - Technical Progress and Production Function: Cobb- Douglas and CES - Modern Theories of Costs - Derivation of Cost Functions from Production Functions. (18 HRS)

UNIT IV: PRICE AND OUTPUT DETERMINATION:

Marginal Analysis: Price and Output Determination in Perfect Competition - Short-Run and Long-Run - Equilibrium of the Firm

and Industry - Price and Output Determination – Monopoly: Price Discrimination – Monopolistic Competition; Oligopoly: Collusive and Non-Collusive (Cournot Solution) Kinked Demand Curve - Price Leadership – Cartels. (18 HRS)

UNIT V LINEAR PROGRAMMING AND GAME THEORY

(Theoretical aspects only): Introduction to Linear Programming – the Simplex Method - Primal and Dual Solutions - Game Theory: Rules, Two-Persons Zero Sum Game – Pay-off Matrices - Saddle point. (18 HRS)

TEXT BOOK

Koutsoyiannis. (1979) A Modern Micro Economics, Macmillan Press, London.

BOOKS FOR REFERENCE

1. Da Costa., G.C., (1980) Production, Prices and Distribution, Tata McGraw Hill, New Delhi.
2. Hirshlefer, J. and A. Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
3. Kennedy, Maria John M. (1999) Advanced Micro Economic Theory (Second Edition) Himalaya, Publishing House, New Delhi.
4. Stigler, G., (1996) Theory of Price (Fourth Edition) Prentice Hall of India, New Delhi.

SEM: I

Hours:7

12PEC1102

Credits:5

ANALYSIS OF INDIAN ECONOMY

Objective

☞ To understand the various vital problems affecting Indian Economy and to analyze policy measures with a special note on rural development.

UNIT I:

STRUCTURE OF INDIAN ECONOMY: Natural Resources: land, water, and forest -Demographic features; size, sex composition and growth rates of population; Infrastructure - Transport, Communication and Energy; National Income: Trend, growth rate and sectoral contribution. (18HRS)

UNIT II:

AGRICULTURAL SECTOR: Institutional structure - contract farming - Technological change in agriculture- Green Revolution and post green revolution issues: Pricing of agricultural inputs and output; terms of trade between agriculture and industry - Agricultural finance policy; Agricultural Marketing and Warehousing; Food security - policies for sustainable agriculture - organic farming and procession forming and integrate farming. (18 Hrs)

UNIT III:

INDUSTRIAL SECTOR: Industrial policy 1948, 1956, 1977 and 1991; Public sector and its performance - industrial sickness: cause and remedies: Evaluation of Privatization and Disinvestment; Growth of small and medium scale industries - Rural industrialization - industrial estate - SEZ. (18HRS)

UNIT IV:

EXTERNAL SECTOR: Composition of India's Foreign trade Imports and Exports - Direction and trends in foreign trade - Import

substitution and export promotion - Balance of payments in India - Foreign capital and MNCs in India - State Trading Corporation.
(18HRS)

UNIT V:

PLANNING: Planning in India, Objectives; Strategies; Broad Achievements and Failures; Eleventh Five Year Plan - objectives, allocation and targets; New economic reforms - Liberalization, Privatization and Globalisation; rationale behind economic reforms; An evaluation of Post - WTO Scenario with special reference to capital and financial flows and trade sector. (18HRS)

TEXT BOOK

Dutt and K.P.M. Sundaram - Indian Economy, Sultan Chand & Sons, New Delhi, 2012.

REFERENCE

1. Kindleberger, C.P. (1977), *Economic Development*, 3e, McGraw Hill, New York.
2. Meier, G.M. (1995), *Leading Issues in Economic Development*, 6e, Oxford University Press, New Delhi.
3. Jhingan, M.L. (2010), *The Economics of Development and Planning*, Vikas Publishing House PVT Ltd., New Delhi.
4. Mishra, S.K. and V.K. Puri (2010), *Economics of Development and Planning*, e, Himalaya Publishing House, New Delhi.
5. Dhingra, I.C. (2012), *The Indian Economy: Environment and Policy*, 16th e, Sultan Chand & Sons, New Delhi.
6. Dhar, P.K. (2002), *Indian Economy - its growing dimensions*, Kalyani Publishers, New Delhi.

SEM: I

12PEC1103

HOURS: 6

CREDITS:5

PUBLIC ECONOMICS

OBJECTIVE

☞ To provide an understanding of concepts and theories of Public Economics.

UNIT I: ROLE OF GOVERNMENT IN ORGANISED SOCIETY:

Changing Perspective-Government in a Mixed economy: public and private sector, cooperative or competition - private goods, public goods and merit goods; Market failure-imperfections, decreasing costs, externalities, Uncertainty and non-existence of futures markets; Informational asymmetry - Theory of second best. Private and public mechanism for allocating resources; Problems for allocating Resources; Problems of preference revelation and aggregation of preferences; Voting Systems; An economic theory of democracy; Politico-eco-bureaucracy. (18 HRS)

UNIT II: PUBLIC REVENUE & PUBLIC EXPENDITURE:

Concepts: Public Revenue- individual taxes; ability to pay approaches and Benefit; Theory of optimal taxation; Excess burden of taxes; Trade off between equity and efficiency. Theory of incidence; Alternative concepts of incidence-Allocative and equity aspects - Public Expenditure- Wagner's law of increasing state activities; Wiseman-Peacock hypothesis; Pure theory of public expenditure; Structure and growth of public expenditure; Criteria for public investment; Social cost - benefit analysis - Project evaluation Estimation of costs, discount rate. (18 HRS)

UNIT III: PUBLIC DEBT, BUDGET AND FISCAL POLICY:

Classical view of public debt; Compensatory aspect of debt policy; Burden of public debt; Sources of public debt; Debt through created money; Public borrowings and price level; Crowding out of private investment and activity; principles of debt management and repayment- Fiscal policy: objectives of fiscal policy- Interdependence of fiscal and monetary policies; concepts of Budget- Budgetary deficits and its implications; Fiscal policy for stabilization - automatic vs. discretionary stabilization; Balanced budget multiplier. (18 HRS)

UNIT IV: FISCAL FEDERALISM:

Principles of multi-unit finance; Fiscal federalism in India; Vertical and horizontal imbalance; Assignment of functions and sources of revenue; Constitutional provisions; Finance Commission and Planning Commission; Devolution of resources and grants; Theory of grants; Resources transfer from Union to States and Local bodies - Criteria for transfer of Resources; Centre-state financial relations in India. (18 HRS)

UNIT V: INDIAN PUBLIC FINANCE:

Indian tax system; Revenue of the Union, states and local bodies; Major taxes in India: base of taxes, direct and indirect taxes, Reforms in direct and indirect taxes, taxes on services; Non-tax revenue of Centre State and local bodies; shrinking size of development finance through budgets; Trends in Public expenditure and public debt; Fiscal crisis and fiscal sector reforms in India. (18 HRS)

TEXT BOOK

Singh S.K., (2011) Public Economics, Himalaya Publishers, New Delhi.

BOOKS FOR REFERENCE

1. Jha. R. 1998 (Modern Public Economics Rout ledge, London.
2. Musgrave. R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
3. Spulber, N. (1998), Redefining the State, Cambridge University Press, Cambridge.
4. Buchanan, J.M. (1968), The Demand and Supply of Public Goods, Rand McNally, Chicago.
5. Peacock. A. and D.J. Robertson (Editors) (1963), Public Expenditure: Appraisal and Control.
6. Gulati, I.S. (1979), Centre State Financial Relations: An Assessment of the Role of Finance Commission, M.S. University of Baroda, Baroda.
7. Reports of Various Finance Commissions.
8. B.P. Tyagi (2009), Public Finance, Jay Prakash Nath Publications, Meerut.

12PEC1104

SEM: I

HOURS: 6

CREDITS: 5

STATISTICAL TOOLS FOR ECONOMICS

OBJECTIVE

☞ To introduce various statistical tools and its application in Economics so as to facilitate a research bent of mind in them.

UNIT I: MEASURES OF CENTRAL TENDENCY AND DISPERSION:

Measures of central tendency; Mean, Median, Mode - Measures of Dispersion: Mean Deviation, Quartile Deviation and Standard Deviation and relative measures of dispersion. (18 HRS)

UNIT II: CORRELATION AND REGRESSION:

Meaning, assumptions and limitations of simple correlation and regression analysis - Pearson's product moment and Spearman's rank correlation co-efficient - Concept of the least squares and the lines of regression. (20 HRS)

UNIT III: ANALYSIS OF TIME SERIES:

Uses - Components - Measurement - Methods of moving average - Semi average - Method of least square. (18 HRS)

UNIT IV: PROBABILITY:

Various types of events - classical and empirical definitions of probability - addition and multiplication theorems, conditional probability and concept of interdependence - Bayes theorem and its applications. Properties of Binomial, Poisson and Normal distribution- fitting of distributions. (18 HRS)

UNIT V: INFERENCE STATISTICS:

Properties of good estimator, formulation and testing of statistical hypothesis - Null and Alternative hypothesis, Goodness of fit, confidence intervals and level of significance, Hypothesis testing based on Z, t, χ^2 (chi-square) and F-test- Type I and Type II errors. (18 HRS)

TEXT BOOK

Gupta, S.P., Statistical Methods (2010): S. Chand & Sons Ltd,
New Delhi.

BOOKS FOR REFERENCE

1. Gupta, S.C. (1993) Fundamentals of Applied Statistics,
S.Chand & Sons Ltd., New Delhi.
2. Spiegel., M.R. (1922) Theory and Problems of Statistics,
McGraw Hill Book Co., London.

12PEC1201A

SEM: I

HOURS: 5

CREDITS: 4

COMPUTER APPLICATION AND USE IN ECONOMICS

Objectives

- ☞ To enable the students to understand the fundamentals of computers and computer nomenclature, particularly with respect to personal computer hardware and software, the World Wide Web, and computing.
- ☞ To give knowledge of the fundamentals of MS Word 2007, MS Excel 2007, MS PowerPoint 2007, and Internet.
- ☞ To impart skills in proper procedures to create documents, worksheets, databases, and presentations suitable for coursework, professional purposes, and personal use.
- ☞ To motivate the students to learn the most-up-to-date technology in an ever-changing discipline and to assist in planning a career and getting certificated in the computer field.

UNIT-I: FUNDAMENTALS OF COMPUTER

- 1.1. Basic concepts and components of a Computer – CPU, I/O Devices, Bit and Byte, Boot, Data Storage and Retrieval, Hard Disk.
- 1.2. Types of Computer and their applications, Computer Networking and Resource Sharing, Hardware, Software and Firmware.
- 1.3. Operating Systems, DISK OPERATING SYSTEM, WINDOWS as an Operating System. (15HRS)

UNIT-II: MS WORD

- 2.1. Introduction: Overview, Basic terminology, Toolbars, Scrolling;

- 2.2. Managing Word Documents: Creating new documents, Using Templates and Wizards, Saving documents, Opening saved documents, Page setup options, different viewings of documents, Viewing multiple documents, Arrange All options, Printing a document;
- 2.3. Working with Text: Typing text, Selecting text, Moving, copying and pasting text, Changing font style, Creating bulleted and numbered lists, inserting text box, Indenting text, Alignment;
- 2.4. Creating Tables: Using the Menu option, Using the Toolbar option, Adding information, Moving around and selecting within a table, Formatting tables;
- 2.5. Special Features: Adding Clipart, Borders and Shading, Spelling and Grammar checks, Language tool, Word count, AutoSummarize, AutoCorrect, Find, Replace and Go To options. (15HRS)

Unit-III: MS POWER POINT

- 3.1. Introduction: Overview, Basic terminology, Application window layout, View buttons;
- 3.2. Creating a Slide Show: Opening and closing presentations, Working with a blank presentation, Adding new slides, Slide layout designs, Manipulating slides, Customizing the background, Changing bullets and font styles, Presenting the Slide Show;
- 3.3. Working with Master Slides: Definition, Types, Changing the layout and design;
- 3.4. Animations and Transitions: Animating text and images, Slide transitions;
- 3.5. Graphics: Adding ClipArt, Adding media, Adding WordArt;
- 3.6. Managing Presentations: Saving presentations, customizing presentation, Printing presentations. (15HRS)

Unit-IV: MS EXCEL

- 4.1. Introduction: Overview, Screen Layout, Row and column headings, Cell Referencing; Changing margins, Changing page orientation.
- 4.2. Working with the Data: Selecting a cell, Entering and editing data, Clearing cell contents, Moving the data;
- 4.3. Managing Excel Workbooks and Worksheets: Creating a new, Opening, Saving and closing.
- 4.4. Formulas and Functions: Constants and formulas, Functions, Using the Fill Handle to copy formulas & functions, AutoSum button, Using the Paste Function Tool;
- 4.5. Formatting Data: Formatting toolbar, Changing numeric data, Alignment, Placing borders around cells, Changing column and row widths, Merge cells;
- 4.6. Charts: Creating a chart, Moving the chart, Changing size of chart. (15HRS)

Unit-V: INTERNET

- 5.1. Introduction: Overview of the Internet, How the Internet works, Internet addresses and domains, Internet services, The World Wide Web;
- 5.2. Internet in Education: Why use the Internet in education, Technology adaption in Schools, Evaluating Web sites; Global Resources for Teaching and Learning
- 5.3. Communications: Text and mail communication using computers; E-mail; Chat; Voice mail; Document transfer and delivery;
- 5.4. File Searching: Finding things in the Internet, Other search tools, Search strategies;
- 5.5. Internet in business: use for business and commercial activities like e-business and e-commerce; Electronic stock market and exchanges. (15HRS)

TEXT BOOK

Joyce Cox, Curtis Frye etc, (2007), "Step by 2007 Microsoft Office System", Prentice Hall of India Private Ltd., New Delhi.

Books For Reference

1. Rajaraman, V. (1996) Fundamentals of Computers, Prentice Hall of India, New Delhi.
2. Sanders, D H. (1988) Computer Today, 3rd Edition McGraw Hill, New York.
3. Sinha, P K. (1992) Compute Fundamentals, BPB Publications, New Delhi.
4. Dhanasekaran, K., Computer Application in Economics (2010), Vrinda Publications, New Delhi.

12PEC1201B

HOURS: 5

SEM: I

CREDITS: 4

HUMAN RESOURCE DEVELOPMENT

OBJECTIVE

☞ To understand the role and significance of Human Resource Development.

Unit-I:

Economic Development and Human Development: Concept - Meaning and significance of Economic Development and Human Development - Indicators of Human Resource Development- Human Resource Development Strategies - Human Development Index, Human Development Report, HDI in India. (15HRS)

Unit-II:

Economics of Education: Education as an input for social and economic Development-Formal Education- Adult Education- New Education Policy- Brain Drain - Brain gain. (15HRS)

Unit-III:

Profile of Human Resource Development- Demographic profile of India: Nature of population problem- Need for population policy in India- Family welfare planning. (15HRS)

Unit-IV:

Human Investment and Man-Power Planning - Need for manpower planning - Human Investment criteria - Rate of Return Approach - Process of manpower planning - Lewis model. (15HRS)

Unit-V:

Human Resource Development - Literacy-Life expectancy-Health-Minimum needs-Man-Power utilization-Education and Training- Investment in Research. (15HRS)

TEXT BOOK

G.R. Mathan (2000) Indian Social Problems, New Delhi, Sultan Chand.

Reference

1. Datt, Ruddar and KPM Sundaram, (2008) Indian Economy- New Delhi, Sultan Chand New Delhi.
2. Dhingara.IC, (1999) The Indian Economy- Environment and Policy, Sultan Chand, New Delhi.
3. Theodore-W.Schultz: (1991) Investment in Human Capital- American Economic Review - Research edition.
4. Harbison F. & Meyers, C.N. (1990) Education, Man-Power & Economic Growth, New York.

12PEC2105

SEM: II

HOURS: 7

CREDITS: 5

ADVANCED MICRO ECONOMICS-II

OBJECTIVE

☞ To impart skills on theories of firm and distribution, welfare economics, general equilibrium in closed and open systems of Economic Analysis.

UNIT I: ALTERNATIVE THEORIES OF THE FIRM:

Baumol's Sales Revenue Maximization Model; Williamson's Model of Managerial Discretion, Marris' model of managerial enterprise; Full cost pricing, Average cost pricing rules; Bain's limit pricing theory and its recent developments (Sylos - Labini's model, Franco Modigliani's model, Jagdish Bagawathi model) Behavioristic model of the firms. (20 HRS)

UNIT II: THEORIES OF DISTRIBUTION:

Marginal productivity theory; Euler's Product Exhaustion theorem; Elasticity of Technical substitution, Theories of Distribution in Perfect and Imperfect Factor Markets: Determination of Rent, Wages, Interest and Profits. Ricardian, Marxian, Kalecki, and Kaldor's theories of distribution. (20HRS)

UNIT III: WELFARE ECONOMICS:

Pigouvian Welfare Economics; Cardinalist, Kaldor and Pareto Optimality criteria, Social Welfare Function, Compensation principle; Inability to obtain optimum welfare - Imperfections, market failure, Arrow's theory of social choice. (20HRS)

UNIT IV: GENERAL EQUILIBRIUM:

Walrasians' Partial and General Equilibrium - 2 X 2 X 2 Model - Relationship between relative commodity and factor prices (Stopler - Samuelson Theorem) Relationship between output mix and real factor prices, effect of changes in factor supply in closed Economy (Rybozynski theorem) Factor supply in open Economy (outsourcing) in production and consumption. (25HRS)

UNIT V: ECONOMICS OF UNCERTAINTY:

Individual Behaviour towards risk, expected utility and certainty- Risk and Risk Aversion - competitive firms under uncertainty - Factor demand under price uncertainty- Economics of Information - Search for New Market models. (20HRS)

TEXT BOOK

Koutsoyiannis. (1979) A Modern Micro Economics, Macmillan Press, London.

REFERENCE

1. Borch, H.K. (1968) The Economics of Uncertainty, Princeton University Press.
2. Da Costa, G.C. (1980) Production, Prices and Distribution , Tata McGraw-Hill, New Delhi.
3. Hirshleifer, J. and A. Glazer., (1997) Price Theory and Applications, Prentice Hall of India, New Delhi.
4. Kennedy, Maria John M. (1999) Advanced Micro Economic Theory: Himalayas Publishing House, New Delhi.
5. Stigler, G., (1996) Theory of Price, Prentice Hall, New Delhi.

12PEC2106

SEM: II

HOURS: 7

CREDITS: 5

MATHEMATICAL TOOLS FOR ECONOMICS

OBJECTIVE

- ☞ To understand the meaning and importance of Mathematical tools and to acquire the knowledge of applying such tools in simple problems of Economics.

UNIT I: ANALYTICAL GEOMETRY:

Straight lines – Two points, slope – point, slope and intercept and two intercepts form – quadratic equations and solution – applications – Demand and Supply curves – Equilibrium price and quantity. (20HRS)

UNIT II: DIFFERENTIATION:

Concept of function and types of functions: Limit, continuity and derivative- Rules of differentiation interpretation of revenue cost, demand and supply functions, Elasticity and their types, Problems in maxima and minima. (20HRS)

UNIT III: PARTIAL DIFFERENTIATION:

Rules of partial differentiation and interpretation of partial derivatives – Maxima - Minima, constrained optimization in simple economic problems. (20HRS)

UNIT IV: CONCEPT OF INTEGRATION:

Simple rules of integration, definite integral -Application in consumer's surplus and producer's surplus - marginal cost and marginal revenue. (20HRS)

UNIT V: CONCEPT OF MATRIX:

Matrix: types, simple operations in matrices, matrix inversion and rank of a matrix - Determinants and their basic properties- solution of simultaneous equations through Cramer's rule and Inverse method. (25HRS)

TEXT BOOK

Agarwal and Joshi (1983), *Mathematics for Economists*, The New Academic Publishing Co. Jalandhar.

REFERENCE

1. Allen, R.G.D. (1985) *Mathematical Economics*, Macmillan, London.
2. Chiang, A.C. (1986) *Fundamental Methods of Mathematical Economics*, McGraw Hill, New Delhi.
3. Jegan, E., Weber (1986) *Mathematical Analysis – Business and Economic Applications*, Harper Row, New York.

12PEC2107

SEM: II

HOURS: 6

CREDITS: 5

MACRO ECONOMIC PROCESS

OBJECTIVE

☞ To introduce the macro economic concepts and variables to the students so as to get an idea about the aggregates and their significance.

UNIT-I: NATIONAL INCOME AND ACCOUNTING:

Circular Flow of income in Two, Three and Four sector economy - Different forms of National Income Accounting - Social accounting, Input-output accounting, Flow of funds accounting and Balance of Payment Accounting - uses of National Income Analysis.
(20HRS)

UNIT II: CONSUMPTION FUNCTION:

Keynes Psychological Law of Consumption - implications of the Law, short-run and long-run consumption function. Empirical evidence on Consumption function, Income - consumption relationship - Absolute Income, Relative Income and Permanent Income Hypotheses - Life Cycle.
(20HRS)

UNIT III: INVESTMENT FUNCTION:

Marginal Efficiency of Investment and level of investment, Marginal Efficiency of Capital and Investments long- run and short-run - Multiplier - Accelerator.
(20HRS)

UNIT IV: APPROACHES TO DEMAND FOR MONEY:

Classical approach to demand for money. Quantity theory approach, Fisher's equation. Keynesian liquidity preference approach - Post Keynesian approaches to demand for money - Patinkin's Real Balance Effect approach - Tobin, and Shaw - Friedman and Modern quantity theory.
(25HRS)

UNIT V: BUSINESS CYCLES:

Theories of Trade cycle - Samuelson, Kaldor, Schumpeter and Hicks - Mundell-Fleming model - Asset markets, expectations and exchange rates.
(20HRS)

TEXT BOOK

Ackley, (1978) Macro Economics Theory and Policy - Macmillan New York.

REFERENCES

1. Eden, M. and A.T. Peacock (1967) National Income and Social Accounts Hutchinson University, New York.
2. Keynes J.M. (1936) The General Theory of Employment Interest and Money: Mac Million, London.
3. Gurley and E.S. Shaw (1960) Money in a Theory of Finance Brookings Institution, Washington.

12PEC2202A

SEM:II

HOURS: 6

CREDITS: 4

MARKETING MANAGEMENT

OBJECTIVE

- ☞ To equip the students with the basic analytical skills on the economic behavior of buyers, firms and markets.

UNIT I: DEFINITION, NATURE AND SCOPE:

Definition, nature and scope meaning of Marketing and Marketing Management - Importance of Marketing management - Functions of Marketing executive - Social Responsibilities of Marketers - concept of Modern Marketing Management. (18 HRS)

UNIT II: MARKETING CHANNEL:

Buyer behavior - Factors influencing consumers buying behavior - consumer and industrial goods marketing - Meaning of Product - New product Development - Branding - Product life Cycle - Product Mix -Product Line - Product Diversification - Product positioning. (18 HRS)

UNIT III: MARKETING NETWORK:

Macro Environment - The Concept of Environmental Threat- Macro Environmental factors affecting Marketing- Economics- Demography Technology- Culture - Law and politics - relating, FDI in Retailing. Marketing Research - Scope, Aims, objectives, functions and procedure or steps in Marketing Research. (18 HRS)

UNIT IV: METHODS OF PRICING:

Pricing of Products - Pricing decision - objectives of Pricing - Practical Methods of Pricing: Cost-plus, Rate of Return on Investment, Going Rate Pricing, Geographical pricing, Odd Pricing, Penetration Pricing, Skimming Pricing. (18 HRS)

UNIT V: ADVERTISEMENT AND SALES PROMOTION:

Advertising and Sales Promotion - Purpose and scope of Advertising - Major decisions on advertising - Choice of Media - Advertising Budget- Sales Promotion measures - AIDAS formula -

Sales Force – Task of Salesman – Size of Sales Force – Recruiting – Training – Motivation – Evaluation of sales force. (18 HRS)

TEXT BOOK:

Philip Kotler, (2010) Marketing Management, Prentice Hall, New Delhi.

REFERENCE

1. Stanton (1987) Fundamental of Marketing, McGraw Hill, New York.
2. Rustom, S. Davar (1982) Modern Marketing Management, Progressive Corporation, New Delhi.
3. Rajan Nair (1993) Marketing Management ,Chand & Co, New Delhi.
4. R.S. Pillai and Bhagavathi (1999) Marketing Management, Chand & Co., New Delhi.
5. Joseph P. Gultiman (1997) Marketing Management, McGraw Hill, New York.
6. Cravens (1988) Marketing Management, Irvin Publishers, London.
7. Malhotra (1997) Marketing Management, Amol Publication, New Delhi.
8. Neelamegam (1970) Marketing Management and the Indian Economy, Vikas, New Delhi.

LABOUR ECONOMICS

OBJECTIVE

☞ This paper exposes the students to theoretical as well as empirical issues of agriculture labour and industrial labour with special reference to India. In the process it covers issues pertaining the wage theories, employment policies, trade unions and collective bargaining to the globalised economy and social security measures.

UNIT- I: LABOUR ECONOMICS AND LABOUR PROBLEMS:

Meaning and concepts of labour - Definition, nature , scope and importance of Labour economics- Nature of labour problems - labour market segmentation - Labour in the unorganized sector- Child Labour - Industrial Labour Organization (ILO). (18HRS)

UNIT - II: INDUSTRIAL LABOUR IN INDIA:

Meaning and characteristics of Industrial Labour in India- Employment in organized sector - Meaning and objectives of Trade Unions - trade Union movement in India - Problems and draw backs of the movement in India - Measures to strengthen the Trade Union Movement in India - Industrial disputes: meaning and causes and effects of industrial disputes - prevention of Industrial disputes and the machinery of setting the Industrial Disputes in India - Labour Legislation in India - Indian Labour Laws and practice in relation to international standards. (18HRS)

UNIT-III: AGRICULTURAL LABOUR IN INDIA:

Meaning and characteristics of agricultural labour in India casual labour and attached labour and bonded labour - The problems of agricultural labour in India - Government measures to improve the conditions of agricultural labour-Employment in agricultural sector - marginalization minimum wages, NREGP. (18HRS)

UNIT - IV: WAGES:

Wage determination - classical, neo classical and bargaining theories of wage determination - wage differentials in India- Asymmetric information and efficiency of labour markets in wage determination - productivity and wage relationship - non wage component of labour remuneration - types of wages in India - the need for State Regulation of wages - National Wage Policy and wage Board in India. (18HRS)

UNIT-V: SOCIAL SECURITY MEASURES OF LABOUR IN INDIA:

The meaning and the need for social security measures in India- present status of social security in India- social assistance and social insurance- review and appraisal of states policies with respect to social security and labour welfare in India- Social Security Legislations in India : Workmen's Compensation Act, 1923, Employees' State Insurance Scheme Act, 1948, Maternity Benefits Act, 1961 and the Provident Fund Act, 1952- Labour Welfare Funds - Unemployment insurance - Second National Commission on Labour (1999) Dr.Arjun Sengupta Committee report. (18HRS)

TEXT BOOK

Dr. B.P. Tyagi (2009), Economics of Labour and Social Welfare - Revised Edition- Sage Publication, New Delhi.

BOOKS FOR REFERENCE

1. Dutt, G. (1966) Bargaining power, wages and Employment : An Analysis of Agricultural Labour Markets in India, Sage Publication, New Delhi.
2. Lester , R.A. (1964) Labour Restructuring in India: A Critique of the new Economics of Labour Macmillan , New Delhi.
3. Venkata Rathnam, C.S. (2001) Globalization and Labour Management Relations, Dynamics of change - Sage Publication, New Delhi.
4. Memoria, C.B. (1996) Labour Problems and Social Welfare in India - Kitab Mahal, Allahabad.

SEM-II

12PSK2401

Hours/Week - 4

Credits - 4

IDC-I: SOFT SKILLS

Unit 1: Effective Communication & Resume Writing 12 Hours

Effective Communication

Definition of communication, Process of Communication, Barriers of Communication, Non-verbal Communication, Johari Window, The Art of Listening, Kinesthetic, Production of Speech, Organization of Speech, Modes of delivery, Conversation Techniques, Dialogue, Good manners and Etiquettes.

Resume Writing

What is Resume? Types of Resume? Chronological, Functional and Mixed Resume, Steps in preparation of Resume.

Unit II: Group Discussion, Interview Skills & Team Building

18 hours

Group Discussion (GD)

Group Discussion Basics, GD Topics for Practice, Points for GD Topics, Case-Based and Article based Group Discussions, Points for Case Studies, and Notes on Current Issues for GD.

Interview Skills

Common interview questions, Attitude, Body Language, The mock interviews, Phone interviews, Behavioral interviews.

Team Building

Team Vs Group - synergy, Stages of Team Formation, Dabbawala-Case Study-PPT, Broken Square-Exercise, Group dynamics, Win as much as you win- Exercise, Leadership - Styles, Work ethics.

Unit III: Personality Development, Attitude & Motivation 18 hours

Personality Development

Self awareness, Assertiveness, Goal setting, Problem-solving, Conflict and Stress Management, Decision-making skills, Positive and Creative thinking, Lateral thinking, Time management.

Attitude

Concept, Significance, Factors affecting attitudes, Positive attitude, Advantages, Negative attitude, Disadvantages, Ways to develop positive attitude, Difference between Personalities having positive and negative attitude.

Motivation

Concept of motivation, Significance, Internal and external motives, Importance of self-motivation, Factors leading to demotivation.

Unit IV: Numerical Ability

8 hours

- * Average, Percentage
- * Profit and Loss, Simple Interest, Compound Interest
- * Time and Work, Pipes and Cisterns
- * Time and Distance, Problems on Trains, Boats and Streams
- * Calendar, Ratios and Proportions.

Unit- V: Test of Reasoning

8 hours

Verbal Reasoning

- * Series Completion, Analogy
- * Data Sufficiency, Assertion and Reasoning
- * Logical Deduction

Non-Verbal Reasoning

- * Series
- * Classification

Books for References

- * Aggarwal, R.S. *Quantitative Aptitude*, S.Chand & Sons.
- * Aggarwal, R.S. (2010). *A Modern Approach to Verbal and Non Verbal Reasoning*, S.Chand & Co., Revised Edition.
- * Alex, K. (2009). *Soft Skills*, New Delhi, S. Chand & Company Ltd.

- * Covey, Stephen. (2004). *7 Habits of Highly effective people*, Free Press.
- * Egan, Gerard. (1994). *The Skilled Helper* (5th Ed), Pacific Grove, Brooks/Cole.
- * Khera, Shiv (2003). *You Can Win*, Macmillan Books, Revised Edition.
- * Murphy, Raymond. (1998). *Essential English Grammar*, 2nd ed., Cambridge University Press.
- * Prasad, L. M. (2000). *Organizational Behaviour*, S.Chand & Sons.
- * Ravindran, G., Elango, S.P.B., Arockiam, L. (2009). *Success through Soft skills*, IFCOT Publications.
- * Sankaran, K. & Kumar, M. *Group Discussion and Public Speaking*. M.I. Pub, Agra, 5th ed., Adams Media.
- * Schuller, Robert. (2010). *Positive Attitudes*, Jaico Books.
- * Thamburaj, Francis (2009). *Communication Soft skills*, Grace Publications.
- * Trishna's (2006). *How to do well in GDs & Interviews*, Trishna Knowledge Systems.
- ** Yate, Martin. (2005). *Hiring the Best: A Manager's Guide to Effective Interviewing and Recruiting**

12PEC3108

SEM: III

HOURS: 7

CREDITS: 5

ECONOMICS OF GROWTH AND DEVELOPMENT

OBJECTIVE

☞ To understand the various concepts of Growth and Development with special reference to India.

UNIT-I: CONCEPTS OF ECONOMIC GROWTH AND DEVELOPMENT:

Concepts and Definitions of Economic growth and Development – Characteristic Features of Underdeveloped Countries - Factors affecting Economic growth – Measurement of Economic Development-HDI-PQLI. (20 HRS)

UNIT-II: GROWTH MODELS:

Classical Economist: Harrod – Domar model - Neo-classical growth models – Solow and Meade - Cambridge Economist: Joan Robinson's and Kaldor growth model. (20 HRS)

UNIT-III: THEORIES OF DEVELOPMENT:

Classical theory of development – contributions of Adam Smith, Ricardo, Malthus and James Mill- Karl Marx and development of capitalistic economy – Theory of social change, surplus value and profit; Immutable laws of capitalist development; Crisis in Capitalism – Schumpeter's Theory of Innovation. (20 HRS)

UNIT-IV: TECHNOLOGICAL CHANGE AND ECONOMIC DEVELOPMENT:

Role of Technology in Economic Development – Contribution of Technology to Growth - Choice of Techniques: Labour Intensive and Capital Intensive - Human Capital Formation. (25 HRS)

UNIT-V: TRADE AND ECONOMIC DEVELOPMENT:

Prebisch, Singer and Myrdal thesis - MNCs – Role of Foreign Capital and Foreign Aid in Economic Development – Leontief Dynamic Input - Output Model. (20 HRS)

TEXT BOOK

M.L. Jhingan (2009) Economics of Planning and Development, Revised Edition - S. Chand, New Delhi.

REFERENCE

1. Adelman, I. (1961) Theories of Economic Growth and Development, Stanford University Press.
2. Kindleberger, C.P. (1977) Economic Development, McGraw Hill, New York.
3. Sen, A.K. (1990) Growth Economics, Harmondsworth.
4. Taylor, L. (1979) Macro Models for Developing Countries McGraw Hill, New York.
5. Myrdal, G. (1957) Economic Theory and Underdeveloped Regions, Duckworth London.
6. Schumpeter, J.A. (1949) The Theory of Economic Development, Harvard University Press Mass, Cambridge.
7. Grossman, G. and E. Helpman (1991) Innovation and Growth in the Global Economy, MIT Press Mass, Cambridge.
8. Kuznets, Simon (1971) Economic Growth of Nations, Total Output and Production Structure Harvard University Press Mass, Cambridge.
9. Brahamananda, P.R. and C.N. Vakil (1956) Planning for an Expanding Economy Vora and Co., Bombay.
10. Gupta, S.B. (1988) Monetary Economics: Institutions, Theory and Policy, S. Chand and Co., New Delhi.

12PEC3109

SEM: III

HOURS:7

CREDITS: 5

INDUSTRIAL ECONOMICS

OBJECTIVE

☞ This course intends to provide knowledge to the students on basic issues such as productivity, efficiency, capacity utilization and debates involved in the industrial development of India.

UNIT I: FRAME-WORK AND PROBLEMS OF INDUSTRIAL ECONOMICS:

Concept and Organization of a Firm- Ownership, Control and Objectives of the Firm; Passive and active behaviour of the firm.

(18 HRS)

UNIT II: THEORIES OF INDUSTRIAL LOCATION:

Theories of Industrial location - Weber and Sargent Florence; Factors affecting location. Industrial Productivity - Concept and measurement - Tools of Industrial productivity - Productivity trends.

(18 HRS)

UNIT III: MERGERS AND ACQUISITION:

Mergers - acquisitions - diversification- Strategic Alliance.

(18 HRS)

UNIT IV: INDIAN INDUSTRIAL GROWTH:

Classification of Industries; large , medium and small scale industries- Role of Public and private sector; MNCs and transfer of technology; Regional industrial growth in India; Industrial economic concentration and remedial measures.

(18 HRS)

UNIT V: PROJECT APPRAISAL / EVALUATION METHOD AND PRINCIPLES:

Project identification - Project Selection - Project Formulation - Project Appraisal - Net Present Value (NPV) and Internal Rate of Return (IRR) criteria- balancing private and social returns; PERT and CPM with case studies.

(18 HRS)

TEXT BOOK

Khanna O.P. (1999) Industrial Engineering and Management:
Dhana Pvt Rai Publications (P) Ltd., New Delhi.

REFERENCES

1. Ahluwalia, I.J. (1985) Industrial Growth in India OUP, New Delhi.
2. Barthwal, R.R. (1985) Industrial Economics, Wiley Eastern, New Delhi.
3. Cherunilam, F. (1994) Industrial Economics: Indian Perspective: Himalaya publishing House Mumbai.
4. Desai, B. (1999) Industrial Economy India, Himalaya Publishing House, Mumbai.
5. Divine, P.J. and R.M. Jones et al. (1976) An Introduction to Industrial Economics: George Allen and Unpin Ltd ,London.
6. Hay D.J. Morris (1979) Industrial Economics; Theory and Evidence, OUP, New Delhi.
7. Singh, A. and A.N. Sadhu (1988) Industrial Economics, Himalaya Publishing House, Bombay.

12PEC3110

SEM: III

HOURS: 6

CREDITS: 5

MONETARY ECONOMICS

OBJECTIVE

☞ To introduce the latest developments in monetary policy aspects and to expose the students to the recent trends in banking theories and practice.

UNIT I: THEORY OF MONEY AND PRICES: QUANTITY THEORIES:

Keynesian theory of money and prices - Gurley and Shaw's thesis on liquidity of money - Rad Cliffei Sayers thesis-Tobin and Shaw's theory -Patinkin's monetary theory (20 HRS)

UNIT II: MILTON FRIEDMAN'S QUANTITY THEORY:

Friedman's Statement -Friedman's Demand Function-Keynesian Theory and Friedman's quantity Theory: A comparison-Critical Evaluation. (20 HRS)

UNIT III: MODERN BANKING THEORY:

James Tobin's Theory - a new theory of credit control - Shaw's Theory - Effectiveness of Monetary Policy - Henry Simon's Theory - Contribution to banking Theory. (20 HRS)

UNIT IV: BANKING SYSTEM IN INDIA:

Central Banking - Meaning - Functions - Currency Issue - Principles - Credit control - Commercial Banking - Indigenous Banking - Modern Banking -New generations private sector Banks - Nationalization - Performance of Nationalized Banks in India - Money and Capital markets in India-Recent trends in banking system in India. (20 HRS)

UNIT V: MONETARY POLICY:

Objectives of Monetary Policy-Role of Monetary Policy in a developing economy. RBI and Monetary Policy-Problems of monetary policy in India- Inflation in India. (25 HRS)

TEXT BOOK

Gupta, S B., (2005) *Monetary Economics*, S.Chand & company, New Delhi.

REFERENCES

1. Halm, G.N. (1990) *Monetary Theory*, Asia Publishing House, New Delhi.
2. Harris, C.L. (1961) *Money and Banking* Allyn and Bacon, London.

12PEC3203A

SEM: III

HOURS: 6

CREDITS: 4

OPTIMISATION TECHNIQUES IN ECONOMICS

OBJECTIVE

∞ This paper intends to provide the basic knowledge about the operational research and its applications to solve the problems related to minimizing cost and maximizing the profit.

Unit - I: NATURE AND SCOPE OF OPERATIONS RESEARCH

Origin of Operation Research - Operation Research-techniques - Scope of Operation Research - Operation Research and economics - Limitations of Operation Research. (18HRS)

Unit - II: LINEAR PROGRAMMING

Linear programming- Standard LP - Graphical method- Simplex method, Big M method. (18HRS)

Unit - III: TRANSPORTATION PROBLEM

Transportation problem - North - West Corner rule- Vogel's - Approximation method - Row Minima- Column Minima methods- Lowest cost entry method - Initial basic feasible solution. (18HRS)

Unit - IV: ASSIGNMENT PROBLEM

Assignment problem - Meaning-Hungarian method of solving-assignment problems. (18HRS)

Unit-V: SIMULATION TECHNIQUES

Simulation techniques- Simulation in Economic forecasting - Simulation problems. (18HRS)

TEXT BOOK

Mariappan (1990) Operational Research Methods and Application, Rainbow Printers, New Delhi.

REFERENCES

1. Swarup, (1984) Operational Research, Milestone Publication, New Delhi.

2. Kapoor V.K. (2001) Operational Research Techniques for Management
3. Joseph, (1990) Business Statistics and Operation Research, Learn Tec Press, New Delhi.
4. Paneerselvam, P. (1994) Operation Research prentice Hall of India, New Delhi.
5. Singh Parashar and Singh, (1984) Econometrics and Mathematical Economics, S. Chand, New Delhi.
6. Damodar Gujarati N. (1995) Basic Econometrics, McGraw Hill, International editors, New York.

12PEC3203B

SEM: III

HOURS: 6

CREDITS: 4

AGRICULTURAL ECONOMICS

OBJECTIVE

☞ To understand the problems of Indian Agriculture and the structural changes needed for Indian agriculture.

Unit-I:

Agriculture in Economic development: Role of agriculture - Factor s in agricultural growth - interdependence between agriculture and industry- Problems of agricultural development - Productivity in Indian agriculture.

(18HRS)

Unit-II:

Technological changes in agriculture - Green Revolution - New Economic Policy and agriculture - Mechanization and Power - choice of technology and biotechnology.

(18HRS)

Unit-III:

Agricultural marketing and Pricing: Structure of agricultural marketing - Cooperative and Regulated Markets - Agriculture and WTO - Agricultural exports and Globalization - Price policy in agriculture - price support - input subsidization.

(18HRS)

Unit-IV:

Structural and Institutional changes in Agriculture - Farm size and efficiency - Size of holdings in India - Sub division and fragmentation - Land tenure and land reforms - impact of land reforms.

(18HRS)

Unit-V:

Food Security and nutritional security: Meaning of food security - food security in India - food policy in India - Food grains production - Import of food grains - Public Distribution System in India.

(18HRS)

TEXT BOOK

Desai (1988) - Agricultural Economics, Himalaya, New Delhi.

REFERENCES

1. Hibbard Bh. (1982) Agricultural Economics, Tata McCraw Hill New Delhi.
2. Reddy, (1988) Agricultural Economics, Oxford, New Delhi.
3. Sadha Singh (1982) Fundamentals of Agricultural Economics, Himalaya, New Delhi.
4. Georgia J.W. (1986) Agricultural Economics, Restan, New Delhi.

12PEC3402

SEM: III

Hours: 4

Credits:4

INDIAN ECONOMY (IDC-II)

OBJECTIVE

☞ To give a basic knowledge and an opportunity to analyze issues of Economic Development in India.

UNIT-I: STRUCTURE OF INDIAN ECONOMY:

Background of the Indian economy - Basic features of Indian Economy:- Natural Resources - Land, Water, Forest: Demography- size, growth, and sex composition of the population - National Income - GDP,GNP, NDP - Public Expenditure and Public Revenue. (12 HRS)

UNIT-II: PROBLEMS IN INDIAN ECONOMY:

Poverty and inequality: Nature, causes and measures to eradicate Poverty - Unemployment: nature, causes and Employment policy - NREGP - Population pressure: Causes, Effect and Measures to control. (12 HRS)

UNIT-III: INFLATION AND REGIONAL DISPARITIES:

Inflation: - Types and causes - Food inflation - External debt:- Causes measures: Regional Disparities: Nature and Causes. (12 HRS)

UNIT-IV: PLANNING IN INDIA:

Planning in India: objectives and strategies - The Role of planning commission in India - 11th Five Year Plan - Objectives, allocation and targets. (12 HRS)

UNIT-V: MACRO ECONOMIC POLICY:

Macro Economic Policy - Fiscal Policy, Monetary Policy, Industrial Policy Agricultural Policy and Trade Policy. (12 HRS)

TEXT BOOK

Dutt and K.P.M. Sundaram (2012) - Indian Economy, Sultan Chand & Sons, New Delhi.

BOOKS FOR REFERENCE

1. Ishwar.C. Dingra (2012) - The Indian Economy, Twenty First Edition, Sultan Chand and Sons, New Delhi.
2. G.M Meier (1995) Leading Issues in Economic Development, 6th Edition, Oxford University Press, New Delhi.

12PEC4111

SEM: IV

HOURS: 6

CREDITS: 5

INTERNATIONAL ECONOMICS

OBJECTIVE

☞ This course provides the students knowledge about the basic principles that tend to govern the free flow of trade in goods and services at the global level. It would help the students to observe and understand the present waves of globalization and liberalization both in the North and in the South.

UNIT-I: IMPORTANCE OF TRADE AND TRADE THEORIES:

Importance of the study of international economics; inter-regional and international trade; theories of Absolute cost advantage, Comparative cost advantage and Opportunity cost; Heckscher - Ohlin theorem. (18 HRS)

UNIT-II: GAINS FROM TRADE:

Gains from trade – their measurement and distribution; trade as an engine of economic growth; concepts of terms of trade and their importance in the theory of trade; Doctrine of reciprocal demand – its importance and limitations in the theory of trade. (18 HRS)

UNIT-III: TARIFFS AND QUOTAS:

Types of tariffs and quotas; their impact in partial equilibrium analysis; free trade policy, tariffs in relation to economic growth with special reference to India; concept of optimum tariff –dumping – anti dumping – anti-trust Policy- non tariffs barriers. (18 HRS)

UNIT-IV: BALANCE OF TRADE AND BALANCE OF PAYMENTS:

Concept and components of Balance of trade and Balance of payments; equilibrium and disequilibrium in balance of payments; consequences of disequilibrium in balance of payments; measures to correct deficit in the balance of payments; relative merits, demerits and limitations of devaluation. (18 HRS)

UNIT-V: FOREIGN TRADE IN INDIA:

Recent changes in the composition and direction of foreign trade - instruments of export promotion policy and recent export and import Policy of India - Concept and implications of foreign trade multiplier - Functions of IMF, World Bank and GATT/WTO - MNC : Financial Flow, Capital Flow, Technology Transfer.(18 HRS)

TEXT BOOK

Sodersten, Bo., (1991) International Economics Macmillan London.

REFERENCES

1. Kindlberger, C P. (1973) International Economics R.D. Irwin, Homewood.
2. Aggarwal, M R. (1979) Regional Economic Cooperation in South Asia, S. Chand, New Delhi.
3. Bhagwati, J. (1981) International Trade Selected Readings, MIT Press, Cambridge.
4. Joshi V. and I.M.D. Little (1998) India's Economic Reforms 1999-2001 OUP, New Delhi.
5. Nayyar, D. (1976) India's Exports and Export Policies in the 1960s, Cambridge University Press, Cambridge.
6. Patel, S.J. (1995) Indian Economy Towards the 21st Century, Oxford University Press Ltd., New Delhi.

12PEC4112

SEM: I

HOURS: 6

CREDITS: 5

RESEARCH METHODOLOGY

Objective

☞ To introduce the students to research methods and techniques and thereby inculcate in them an aptitude for research.

Unit-I: NATURE AND METHODS OF SOCIAL SCIENCE RESEARCH:

Meaning and definitions of Research - Pure and applied research - Meaning of Social Science Research: Subject matter-Importance and problems in social science research. Case study method- Historical method-Scientific Methods - Objectivity in social science research. (18HRS)

Unit-II: RESEARCH PROBLEM AND HYPOTHESIS:

Choice of the research problem - Factors involved in the choice - Role of review of literature - Hypothesis: Definition - Importance of hypothesis in social science research - Source of hypothesis - Characteristics of a good hypothesis. (18HRS)

Unit-III: SAMPLING TECHNIQUES:

Census method - Sampling method. Methods of sampling: Random Sampling: simple and stratified - Judgment method - Quota, sampling, multistage sampling method. Sampling and non sampling errors - Methods of reducing both - Sampling size. Scaling techniques- Research Design- Sampling design. (18HRS)

Unit-IV: TECHNIQUES OF DATA COLLECTION:

Primary and Secondary Data, Merits and demerits of primary data - Methods of collecting Primary data: Schedule method- Observation method - Interview Method - Questionnaire method - Qualities of a good questionnaire. Secondary data: - Merits and demerits - Sources of secondary data: Published, unpublished and E-Sources. (18HRS)

Unit-V: ANALYSIS AND RESEARCH REPORT WRITING

Meaning of analysis and Interpretation - Editing - Coding - Classification of data - Data entry - Statistical and Mathematical tools of analysis - SPSS - Research Report writing: Factors to be considered. (18HRS)

TEXT BOOK

C.R. Kothari (2009): *Research Methodology*, Vishwa Prakashan, New Delhi.

REFERENCES

1. M.H.Gopal: (1970) *An Introduction to Research Procedures in Social Sciences*: Asia Publishing House- New Delhi.
2. Wilkinson and Bandarkar:(1989) *Methodology and Techniques of Social Research*: Himalaya, New Delhi.
3. P.V.Young: (1987) *Scientific Social Surveys and Research*: Asia Publishing House- New Delhi.
4. B.N.Gosh: (1970) *Research Methods in Social Science*- Sterling, New Delhi.
5. Goode and Hatt : (1983) *Methods in Social Research*, McGraw-Hill, New Delhi.
6. Dhondyal and Wells (2001) *A Guide to Research Methodology*, New Delhi.
7. C.T.Kurien (1985) *A Guide to Research in Economics*, Rainbow, New Delhi.

12PEC4113

SEM: IV

HOURS: 6

CREDITS: 5

ECONOMICS OF SOCIAL SECTOR

Objective:

- ☞ To present the various types of social problems confronting the society and to discover ways to resolve social problems.

Unit-I: Health and Education:

Definition and Scope of Economics of Education and Health. Education and Health as Consumption and an Investment goods; Human Capital - Human Capital vs. Physical Capital, Components of Human Capital; Comparison of Education and Health; Differences between Human Capital and Human Development. Dimensions of Development; Determinants of Health - Poverty, Malnutrition; Economic Dimensions of Health Care - Demand and Supply of Health Care. (20 Hrs)

Unit-II: Demand for Education:

Private Demand and Social Demand, Determinants of Demand; Cost of Education-Expenditure on Education, Private Costs and Social Costs; Direct and Indirect /opportunity costs; Wastage and Stagnation; Benefits of Education-Direct and Indirect Benefits; Private and Social Benefits. Problems in the Measurement of Costs and Benefits. (20 Hrs)

Unit-III: Educational Planning:

Education as an instrument of growth; Measurement of contribution of Education to economic growth-Denison and Schultz approaches; Manpower Requirements Approach; Economics of Educational Planning in Developing Countries with special reference to India. (20 Hrs)

Unit-IV: Education and Labour Market

Effects of Education, Ability and Family background on Earnings, Poverty and Income Distribution; Education and Employment. Educated unemployment in developing countries; Education and Migration - the concept of Brain Drain. (20 Hrs)

Unit-V: Financing of Health and Education

Resource Mobilisation and Utilisation; Pricing and subsidies, Effects of educational financing on Income Distribution. Financing of Health Care and Resource Constraints; Inequalities in Health; Institutional Issues in Health care delivery. (20 Hrs)

Text Book

Udai Prakash Sinha (2007) Economics of Social Sector and Environment, Concept Publishing Company.

References

1. Srivastava, Sangya Srivastava, S.C. (2006) Economics of Social Sector and Environment.
2. Blaug, Mark (1972) Introduction to Economics of Education. Penguin, London.
3. Becker, G.S. (1974) Human Capital, 2nd Edn., NBER, New York.
4. Berman, P. and Khan, M.E. (1993) Paying for India's Health Care. Sage Publications, New Delhi.
5. Cohn, E and T.Gaske (1989) Economics of Education, Pergamon Press, London.
6. Klarman, H.E. (1965) Economics of Health, Columbia University Press, New York.
7. Panchamukhi, P.R. (1980) Economics of Health: A Trend Report, ICSSR Survey, Allied, New Delhi.
8. Tilak, J.B.G. (1989) Economics of Inequality in Education, Sage, New Delhi.
9. Dhingra, I.C., Indian Economy, Sultan chand & Sons, New Delhi.

12PEC4114

SEM: IV

Hours : 5

Credits:5

ENVIRONMENTAL ECONOMICS

OBJECTIVE

- a. To make the students know the basic concepts of Environmental Economics, environmental pollution and the policy measures to control pollution.

UNIT-I: PRINCIPLES OF ECOLOGY:

Definition, Role and Significance of Environment- Ecology, eco system, components of eco system, kinds of eco system- functions of eco system, energy flow in eco system- Trade off between Economic growth and Environment – Externalities- Material Balance Theory- Productivity and food chain – Externality - Pollution - market failure. (15HRS)

UNIT-II: THEORIES OF ENVIRONMENTAL ECONOMICS:

The Cumberland – Isard Daly Input – Output model – The Modified Leontief abatement model- The Ayres- Knees model- Coase theorem-concept of carbon credits. (15HRS)

UNIT-III: CONSERVATION OF NATURAL RESOURCES:

Renewable and non – renewable resources - need for conservation of resources – Conservation of forest, water resources, soil resources - energy resources - Conservation of biodiversity – Product Life Extension – Recycling models - methods of conservation. (15HRS)

UNIT-IV: ENVIRONMENTAL PLANNING AND MANAGEMENT:

Problems in maintaining ecological balance, Waste management - Protection of biosphere - Application of benefit cost analysis to resource management - Natural resource management in Tamilnadu, water, land, forest, fisheries, mineral resources- a few case studies - Biotechnology vs. Eco friendly technology. (15HRS)

UNIT-V: ENVIRONMENTAL ISSUES AND LEGAL MEASURES:

Industrial Pollution - Global warming, deforestation - Ozone depletion - Trade related environmental issues - Peoples movement - Environmental law, Air Act, Water Act, Pollution Control - Environment Protection Act – command and control measures.

(15HRS)

TEXT BOOK

Sankaran (2008) Environmental Economics, Sterling Publishers, New Delhi.

BOOKS FOR REFERENCE

1. Mohan, I. (1989) “Environmental Pollution and Management”, Ashis Publishing House, New Delhi.
2. Pandey and Carney (1998) Environmental Engineering, Tata Mc Graw Hill, New Delhi.
3. Field, R.C. (2000) Environmental Economics, McGraw Hill, New York.
4. Karpagam, M. (1999) Environmental Economics, Sterling Publishers, New Delhi.
5. Katar Singh, Anil Shisodia (2009) Environmental Economics, Sage Publications, New Delhi.

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