(For students admitted from the academic year 2022-2023)

e ode		, moot		lit	Maximum Marks		
Course	Study Components & Course Title		Hours/Week	Credit	CIA	ESE	Total
	SEMESTER - I						
22PCOPC11	Core 1: Strategic Financial Management		6	4	25	75	100
22PCOPC12	Core 2: Managerial Economics		6	4	25	75	100
22PCOPC13	Core 3: Co-operation Theory and Development		5	4	25	75	100
22PCOPC14	Core 4: Marketing Management		5	4	25	75	100
	Core Elective 1		5	3	25	75	100
	Open Elective I		3	3	25	75	100
		Total	30	22			600
	SEMESTER - II						
22PCOPC21	Core 5: Advanced Financial Accounting		6	4	25	75	100
22PCOPC22	Core 6: Income Tax Law and Practice		6	4	25	75	100
22PCOPC23	Core7: Legal Frame work for Co-operatives		6	4	25	75	100
22PCOPC24	Core 8: Co-operatives in Foreign Countries		5	3	25	75	100
	Core Elective 2		5	3	25	75	100
22PFLDC26	Field Study		-	3	25	75	100
22PHUM27	Compulsory Course: Human Rights		2	2	25	75	100
		Total	30	23			700

List of Core Electives [Internal Elective for Same Major Students] (Choose 1 out of 3 in each Semester)

Semester	Course Code	Course Title	H/W	C	CIA	ESE	Total
	22PCOPE15-1	Organisational Behaviour	5	3	25	75	100
I	22PCOPE15-2	Human Resource Management	5	3	25	75	100
	22PCOPE15-3	Banking And Insurance	5	3	25	75	100
	22PCOPE24-1	Management Information System and Computer Applications	5	3	25	75	100
II	22PCOPE24-2	Export Marketing	5	3	25	75	100
	22PCOPE24-3	Stategic Management for Co-operatives	5	3	25	75	100

List of Open Electives [External Elective for Other Major Students – Inter/Multi Disciplinary Courses] (Choose 1 out of 3 in each Semester)

Semester	Course Code	Course Title	H/W	C	CIA	ESE	Total
	22PCOPO16-1	Fundamentals of Co-operation	3	3	25	75	100
I	22PCOPO16-2	Co-operative Law	3	3	25	75	100
	22PCOPO16-3	Rural Social Institution	3	3	25	75	100

PROGRAMME OUTCOMES

Domain Knowledge - Domain knowledge: Demonstrate knowledge of PO1: basic concepts, principles and applications of the specific science discipline.

PO2: learning resources including library, e-learning resources, ICT tools to enhance knowledge-base and stay abreast of recent developments.

Analytical and Technical Skills - Analytical and Technical Skills: Ability to handle/use appropriate tools/techniques/equipment with an understanding of the standard operating procedures, safety aspects/limitations

PO4: Critical thinking and Problem solving - Identify and critically analyze pertinent problems in the relevant disciplineusing appropriate tools and techniques as well as approaches to arrive at viable conclusions/solutions.

Project Management - Demonstrate knowledge and scientific understanding PO5: to identify research problems, design experiments, use appropriate methodologies, analyze and interpret data and provide solutions. Exhibit organizational skills and the ability to manage time and resources.

SEMESTER - I	22PCOPC11: STRATEGIC FINANCIAL	CREDITS: 4
CORE - I	MANAGEMENT	HOURS: 6

COURSE OBJECTIVES

- 1) To understand the functions of finance management
- 2) To expand the awareness of long term sources of funds
- 3) To facilitate the students understand of capital structure and leverage
- 4) To impart knowledge on capital investment decision among the students.
- 5) To acquaint students with the subject of working capital management.

Unit I Financial Management

Financial Management - Functions - Goals of Financial Management - Maximization Vs. optimizations - Time value of money - Risk-return trade off.

Unit II Management of Funds

Management of funds - Long term sources - shares and Debentures - Convertible securities and Term Loans - Working Capital financing - Sources and approaches- Bank credit-Basic principles and methods of assessment- Other sources of short term finance Operating environment of working capital

Unit III Capital Structure

Capital structure planning- Concepts of cost of capital - cost of equity, debt, retained earning - Weighted average cost of capital - Capital structure theories - Net income, Net operating income, MM and Traditional Theories - Leverage - Types and significance. Dividend policy and practices - Dividend policies - Factors affecting dividend decision - Dividend theories - Graham, Gordon, Walter and MM Theories.

Unit IV Investment Decisions

Investment Decision - The Capital Budgeting Process, Cash flow Estimation, Payback Period Method, Accounting Rate of Return, Net Present Value (NPV), Net Terminal Value, Internal Rate of Return (IRR), Profitability Index, Capital budgeting under Risk – Certainty Equivalent Approach and Risk Adjusted Discount Rate.

Unit V Working Capital Management

Working capital management-working capital cycle-forecasting of working capital requirements- Factors influencing working capital-Management of inventory, cash and accounts receivables- payables management-credit and collection policies.

COURSE OUTCOMES

After the successful completion of the course, the students will be able to:

- 1) Apply the functions of Financial Management.
- 2) Tap the long term sources of funds and working capital.
- 3) Gain information about capital structure andleverage
- 4) Accumulate about capital investment decision

5) Get acquainted with the concept of working capital Management.

Text Books

- 1) I M Pandey, 2016 Financial Management, Vikas Publishing House Pvt Ltd.
- 2) John H Hampton, 2017 Financial Decision Making, Prentice Hall of India Ltd.
- 3) Prasanna Chandra, 2018, Financial Management, Tata McGraw Hill Publishing Company Limited, Noida,

Supplementary Readings

- 1) Sharma Shashi R.K and Gupta K 2017, Financial Management, Kalyani Publishers, Ludhiana.
- 2) M.Y.Khan and P.K.Jain, 2018 Financial Management, Tata McGraw Hill Publishing CompanyLimited.
- 3) P.V.Ratnam, 2013 Financial Management Theory, Problems and Solutions, Kitab Mahal.
- 4) Maheswari S.N 2017, Financial Management, S.Chand and Sons Publishers, New Delhi.
- 5) Srinivasan T 2022 Financial Management Vijay Nicole Imprints Private Ltd, Chennai.

		<u> </u>						
	Programme Outcomes							
	PO1	PO2	PO3	PO4	PO5			
CO1	3	2	3	3	2			
CO2	3	1	3	3	2			
CO3	3	2	3	3	2			
CO4	3	1	3	3	2			
CO5	3	2	3	3	1			

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER - I CORE – 2	OPC12: MANAGERIAL ECONOMICS	CREDITS: 4 HOURS: 6
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COURSE OBJECTIVES

- 1) To enable the students to know the scope and application of managerial economics.
- 2) To teach the managerial use of production function.
- 3) To educate different marketing structures
- 4) To enlighten profit planning and forecasting
- 5) To sensitise the students to business cycle and policies.

Unit I Managerial Economics

Managerial Economics – meaning, nature, scope and application – relationship with other discipline – role of managerial economist – demand analysis – demand determinants – forecasting and techniques.

Unit II Production Function

Production function – managerial use of production function – supply analysis – law of supply – managerial uses of supply curve. Cost concepts, classification & determinants – cost output relationship – economics of scale – cost control and cost reduction.

Unit III Price

Price and output decision under different marketing structures – perfect competition, monopoly, oligopoly & monopolistic competition – price discrimination – pricing objectives, policies, strategies and methods – price differentials-price forecasting.

Unit IV Profit

Profit – nature & concept – profit planning, policies and forecasting – profit theories – measurement of profit – interest – rent and theories.

Unit V Business Cycle and Polices

Business cycle and policies – economic forecasting of business – input output analysis – national income.

COURSE OUTCOMES

After the successful completion of the course, the students will be able to:

- 1) Understand the scope and application of managerial economics.
- 2) Learn the production function from managerial point of view.
- 3) Gain knowledge on different marketing structures.
- 4) Apply Profit planning and forecasting concept in practice
- 5) Learn the implications of Business cycle and policies.

Text Books

- 1. Joel Dean, 2012 Managerial Economics, Prentice Hall, New York
- 2. Mehta P.L. 2017 Managerial Economics Sultan Chand and Sons, New Delh

3. Varshney and Maheswari 2019 Managerial Economics, Sultan Chand and Sons, New Delhi.

Supplementary Readings:

- 1. Gupta G.S 2014 Managerial Economics Tata McGraw Hill, New Delhi.
- 2. Mithani D.M 2017 Managerial Economics Himalaya Publishing House, Mumbai.
- 3. Dwivedi D.N. 2019 Managerial Economics Vikas Publishing house P.Ltd, New Delhi.
- 4. Cauvery, Sudha Nayak and Others 2018 Managerial Economics S.Chand and Sons. New Delhi.
- 5. H. Craig Petersen, W. Cris Lewis, 2017 Managerial Economics, Pearson Education.Chennai

	Programme Outcomes					
	PO1	PO2	PO3	PO4	PO5	
CO1	3	2	1	3	1	
CO2	3	1	2	3	2	
CO3	3	2	1	1	1	
CO4	3	1	2	3	2	
CO5	3	2	2	3	2	

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER - I	22PCOPC13: COOPERATION: THEORY AND	CREDITS: 4
CORE – 3	DEVELOPMENT	HOURS: 5

COURSE OBJECTIVES

- 1) To make the students to gain expert knowledge in Co-operation
- 2) To impart the students for co-operative thoughts
- 3) To enable the students to understand the Co-operative Development in India
- 4) To edcuate the students for Co-operative Development in five-year Plans
- 5) To educate the students for strength, weakness, opportunities and threats in co-operatives.

Unit I Co-operation

Meaning, Definition, Values Features and Benefits of Cooperation – Cooperative Principles – Evolution of Cooperative Principles – Rochdale Principles – Reformulation of Cooperative Principles by ICA in 1936, 1966 – ICA Cooperative Identity Statement 1995..

Unit II Co-operative Thoughts

Pre-Rochdale Cooperative Thought: Robert Owen, Dr.William King and Charles Fourier – Rochdale Model; Post Rochdale Cooperative Thought, Raiffeisen and Schulz, Dr.Warbasse, Fauquet, Charles Gide – Different Schools of Cooperative Thought.

Unit III Co-operative Development in India

Major stages, Pre-independence Era: Nicholson's Report – Cooperative Credit Societies Act 1904, Cooperative Societies Act 1912 – Maclagan Committee(1914), Royal Commission on Agriculture(1928) – Cooperative Planning Committee (1959).

Unit IV Co-operative Development under Five Year Plans

Major findings and recommendations of AIRCSC, Mehta Committee, AIRCRC Integrated Cooperative Development Project (ICDP) – Development Action Plan (DAP) – Liberalization and Cooperative Sector.

Unit V Challenges before Co-operatives

Strengths, Weaknesses, Opportunities and Threats – New Generation Cooperatives.

COURSE OUTCOMES

After the successful completion of the course, the students will be able to:

- 1) Understand the Significance of Principles and Practice of Co-operation
- 2) Discuss and appreciate the Importance of Co-operative Throughts.
- 3) Gain Knowledge in the Co-operative Development in India.
- 4) Understand the Co-operative Development in Five Year Plans
- 5) Identify the strength, weakness, opportunities and threats in co-operatives

Text Books

- 1) Hajela T.N 2016 Co-operation-Principles, Problems and Practice, Ane Books Pvt. Ltd, New Delhi.
- 2) Mathur B.S 2002 Co-operation in India, Sahitya Bhavan Publications, Agra,
- 3) Bedi R.D 2000 Theory, History and Practice of Co-operation, Konark Publications, Agra.

Supplementary Readings

- 1) Ravichandran K and NakkiranS 2009 Co-operation: Theory and Practice, Abijit
- 2) Publication, New Delhi.
- 3) Krishnaswami O.R and Kulandaisamy V 2000 Co-operation: Concept and Theory, Arudra Academy, Coimbatore.
- 4) Patnaik, Umesh, Roy and Ananta K 2002 Co-operation and Co-operative Management, Kalyani Publishers, Ludhiana.
- 5) Tripathy 2000 Co-operative for Rural Development, Tamil Nadu Book House, Chennai.
- 6) Sharada V 2000 The Theory of Co-operation, Himalaya Pub, Mumbai.

	Programme Outcomes					
	PO1	PO2	PO3	PO4	PO5	
CO1	1	2	1	1	1	
CO2	2	1	2	1	2	
CO3	2	2	1	1	1	
CO4	1	1	2	1	2	
CO5	1	2	2	1	2	

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER - I CORE - 4 22PCOPC14: MA	RKETING MANAGEMENT	CREDITS: 4 HOURS: 5
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Learning Objectives

- 1) To teach the students concepts of marketing
- 2) To educate the students for the components of Marketing Mix
- 3) To enable the students to educate the market segmentation
- 4) To impart knowledge on Pricing strategies
- 5) To educate the students for Distribution strategies.

Unit I Marketing

Marketing Definition- Importance- Concepts of Marketing Task- Conventional & Situational Marketing -, Approaches to Marketing, Remarketing, De-Marketing, Synchro-Marketing Concepts- Traditional and Modern Concepts - Marketing Mix - Modern Marketing Functions - Features of Industrial, Consumer and Services Marketing.

Unit II Product

Meaning-Classification of Goods- Product Planning and Development- Product Life Cycle - New Product Development- Product Positioning - Diversification -Product Related Strategies - Branding - Brand Image Building- Brand Extension -Brand Celebrity.

Unit III Market Segmentation

Bases and Benefits - Consumer Behavior- Factors Influencing Consumer Behavior, Post Purchase Behavior - Marketing Research - Steps In Marketing Research - Sales Forecasting : Techniques and Criteria.

Unit IV Pricing

Meaning and Objectives - Pricing Policies Strategies- Pricing Methods - Promotion Mix: Purpose of Promotion- Promotion Strategy - Sales Promotion - Levels, Advertising: Kinds of Advertising - Advertising Copy- Advertising Budget - Advertising Agency. Sales Management: Salesmanship - Qualities - Effective Selling - Sales Process.

Unit V Distribution

Selection of Channels of Distribution - Wholesalers and Retailers - Functions and Importance In Distribution Net Work, Warehousing -Types - Decisions. Management of Physical Distribution. Ethics in marketing.

COURSE OUTCOMES

After the successful completion of the course, the students will be able to:

- 1) Grasp the overview of marketing and apply modern marketing concept.
- 2) Apply segmentation strategies in practice.
- 3) Apply product promotional strategies.
- 4) Understand the Pricing strategies.

5) Gain Knowledge in Distribution strategies.

Text Books

- 1) Sundar K 2017, Essentials of Marketing, Vijay Nicole Imprints Private Ltd, Chennai.
- 2) Pillai R.S.N and Bagavathi, 2017 Modern Marketing, S.Chand & Company New Delhi.
- 3) Mamoria, D and Joshi, R.L., 2015 Principles and Practices of Marketing of Services, Kitab Mahal, New Delhi.

Supplementary Readings

- 1) Kotler, P., and Armstrong. 2016. Principles of Marketing, Persons Education. New York.
- 2) Kotler, P., Lane, K., and Keller. 2017. Marketing Management, Pearson Education, New York.
- 3) Sherlekar. 2010 Marketing Management Himalaya Publication House. Mumbai.
- 4) Dodson, I. 2016 The Art of Digital Marketing: Wiley Publications. New York.
- 5) Kadavekar, S. 2017. Marketing and Salesmanship, Dimond Publication. Pune.

	Programme Outcomes						
	PO1	PO2	PO3	PO4	PO5		
CO1	3	2	1	1	1		
CO2	3	3	2	3	2		
CO3	3	2	1	1	3		
CO4	1	1	2	3	2		
CO5	1	2	2	1	2		

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER - I	22PCOPE15-1: ORGANISATIONAL	CREDITS: 3
CORE Elective -1	BEHAVIOUR	HOURS: 5

Learning Objectives

- 1) To make the students understand and the need and importance of Organizational Behavior
- 2) To impart the students the application of organizational conflict technique to resolve problems in an organization
- 3) To sensitise students about the implication of organizational changes and its effectiveness
- 4) To introduce the organisational Effectiveness and Quality of Work Life
- 5) To understand the concept of the Organisational Change and Development

Unit I: Introduction to Organisational Behaviour

Organisational Behaviour – Meaning- Importance- Nature and Scope-Organisation Goals-Functions- Evolution of Organisational Behaviour-Factors Influencing Organisational Behaviour.

Unit II: Organisational Structure and Culture

Organisational Structure– Meaning-Need – Elements- Typology- Organisational Structure and Employee Behaviour-Meaning and Definition of Organizational Culture-Types Functions –Factors influencing organizational culture-Differentiation between organizational culture and climate.

UNIT III: Organisational Conflicts and Leadership

Organisational Conflicts – Causes and Types – Managing Conflicts – Leadership: Theories and styles – Motivation – Theories of Motivation – Communication – Conflict Management: Role Conflict – Goal Conflict and inter personal conflict

Unit IV: Organisational Effectiveness and Quality of Work Life

Organisational Effectiveness- Meaning-Approaches to Organisational Effectiveness- Factors influencing Organisational Effectiveness-Quality of Work Life- Meaning – Definition- Evolution and Development of the Concept of QWL-Constituents of QWL.

Unit V: Organisational Change and Development

Organisational Change – Meaning- Reasons for changing – Types of Changes-Organisational Resistance-Managing Resistance to Change- Organisational Development Meaning-Characteristics – Models – Factors influencing of an OD Intervention.

COURSE OUTCOMES

After the successful completion of the course, the students will be able to:

- 1) Appreciate the implications of Organizational Behaviour in an organization.
- 2) Compare the strength and limitations of different organizational structure
- 3) Address the different forms of conflicts and assume different leadership styles
- 4) Recall the significance of quality of work life and organizational changes
- 5) Recognize the factors influencing the organizational effectiveness.

Text Books

- 1) Sundar K 2020 Organisational Behaviour Vijay Nicole Imprints Pvt Ltd, Chennai.
- 2) L.M. Prasad 2016 Organisational Behaviour, Sultan Chand & Sons, New Delhi.
- 3) K. Aswathappa 2017 Essentials of Organisational Behaviour, McGraw Hill, New Delhi.

Supplementary Readings

- 1) Hell Riegel, Slocum and Woodman, 015 Organisation Behaviour, South Western, Thomson Learning, USA.
- 2) R.S. Dwivdi, 2012 Human Relations and Organizational Behaviour, Mc Millan India Ltd., New Delhi.
- 3) Stephen P. Robbins, 2017 Organizational Behaviour, 9th Edition, Pearson Education, New Delhi
- 4) P.Subba Rao, 2012 Essentials of Human Resource Management and Industrial Relations, Himalaya Publishing House. Hyderabad
- 5) P.C. Tripathi, 2017 Personnel Management and Industrial Relations, Sultan Chand & Sons.

	Programme Outcomes				
	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	2	3
CO2	2	2	2	3	2
CO3	2	3	2	2	3
CO4	2	2	2	2	2
CO5	2	3	3	2	3

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER - I	22PCOPE15-2: HUMAN RESOURCE	CREDITS: 3
CORE Elective -1	MANAGEMENT	HOURS: 5

Learning Objectives

- 1) To approach changing role of HRM in global and Indian perspective
- 2) To understand the HR Planning and Job Analysis
- 3) To disseminate knowledge about various methods of recruitment, training and performance appraisal techniques
- 4) To acquire knowledge in Performance Apprisal
- 5) To impart knowledge of various theories of motivation and human resource audit

Unit I: Introduction to Human Resource Management

HRM Concepts – Significance- Scope –Nature of human resource management – Features of HRM – Personal Management Vs HRM, Functions of HRM-Competencies of HR manager

Unit II: HR Planning and Job Analysis

Importance of HR planning - Characteristics of HR planning - Factors influencing HR planning Levels - Process in HR planning - HR - Format System - Job analysis - Job description - Job designation.

Unit III: Human Resource Development

Recruitment – Factors – Recruitment Policy- Recruitment process – Sources of recruitment – selection – Concept – Selection Strategies – Selection Tests – Interview – Process- Types –Training- Features- Process- Various methods of Training.

Unit IV: Performance appraisal and Compensation Management

Performance appraisal - Ranking, rating scales, critical incident method - MBO as a method of appraisal - Removing subjectivity from evaluation - Criteria for promotions and job enrichment

Unit V: Motivation

Meaning – Nature – Significance – All Theories of Motivation – Approaches to Motivation – Motivational Applications – Human Resource Audit – Meaning – Objectives – Quantitative indicators – HR Audit Plan.

COURSE OUTCOMES

After the successful completion of the course, the students will be able to:

- 1) Comprehend the fundamentals of Human Resource Management
- 2) Prepare job analysis report and be able to develop job description and job specification.
- 3) Describe the various motivational applications in practice

- 4) Apply performance appraisal techniques and able to prepare performance appraisal forms
- 5) Develop plans and execute human resource audit.

Text Books

- 1) Sundar K Srinivasan J 2018, Human Resource Management Vijay Nicole Imprints Pvt Ltd, Chennai.
- 2) A.M. Sheikh, 2015 Human Resource Development and Management, S. Chand & Co, New Delhi

Aswathappa, 2012 Human Resource and Personnel Management, TataMcGraw Hill, NewDelhi.

Supplementary Readings

- 1) Dressler 2012 Human Resource management, Pearson Education, New Delhi
- 2) De Cenzo and Robbins,2015 Personnel/Human Resource Management, Prentice Hall of India, New Delhi
- 3) S.K.Chakrabothy, 1999 Values and Ethics for Organization, Oxford University Press USA.
- 4) Prasad, L M, 2017, Human Resource Management, Sultan Chand and Sons, New Delhi.

Narayan B,2016, Human Resource Management, APH Publishing Corporation, Ansari Road, Darya Ganj, New Delhi.

	Programme Outcomes				
	PO1	PO2	PO3	PO4	PO5
CO1	3	1	3	2	1
CO2	1	2	2	1	2
CO3	1	3	1	3	1
CO4	3	2	2	2	2
CO5	2	1	3	2	3

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER - I	22PCOPE15-3: BANKING AND	CREDITS: 3
CORE Elective -1	INSURANCE	HOURS: 5

Learn	Learning Objectives:				
LO1:	To obtain a deep knowledge in the functioning of commercial banks.				
LO2:	To comprehend the general principles of contract of isurance and other forms of insurance.				
LO3:	To gain mastry over the provisions of banking instruments.				
LO4:	To understand the Insurance functions				
LO5:	To acquire knowledge on General Insurance policies				

Unit I: Banking Functionary Services

Commercial Banks - Functions - services - mechanism of Credit creation; merchant banking - virtual banking - Central banking - Functions - Credit controlling mechanism.

Unit II: Commercial Banks Role on Economic Development

Industrial and priority sectors lending – policies term lending, industrial priority sector lending. Rehabilitation of small sick units, guidelines for priority sector lending commercial bank role in SME - micro credit.

Unit III: Instruments in Banking Negotiable Instruments

Features-Types of Cheques-Draft-Promissory notes-Other type of Banking Institutions. Debit card and Credit card-Smart card-Endorsements-Types.

Unit IV: Insurance and Function

Definition - Importance, Introduction - General Principles of insurance contract - Life insurance Vs other forms of insurance - various plans and claim settlement - recent development in life insurance.

Unit V: General Insurance Policies

Features of marine insurance, types of marine policies, marine clauses – marine losses, Features of fire insurance, insurable interest – types of fire insurance policies.

Recent Trends in Banking and Insurance. Faculty member will impart the knowledge on recent trends in Banking and Insurance to the students and these components will not cover in the examination.

Cours	Course Outcomes:			
	After the successful completion of the course, the students will be able to:			
CO1:	Understand the fundamental concepts of banking and Insurance.			
CO2:	Recall the role of commercial banks in Economic Development.			
CO3:	Master the provisions of banking instruments.			
CO4:	Understand the implications of various types of policies.			

CO5: Recognize the fundamental principles of general insurance.

Text Books:

- 1. Mishra, M.N., S.B.Mishra, 2015, Insurance Principles and Practice, S. Chand and Sons PVT Ltd, Ram Nagar, New Delhi
- 2. Murthty, A. 2017, Principles and Practices of Insurance Margam Publication, Chennai
- 3. Gorden Nataraj, 2016 Banking Himalaya Publication, New Delhi

Supplementary Readings:

- 1. Shekhar K.C., Lekshmy Shekhar, 2017, Banking Theory and Practice, Vikas Publishing Houses Pvt Ltd., Chennai
- 2. Ramachandran R. 2015, Banking Theory and Practices MJP Publishers, 5, Muthu Kalathy Street, Triplicane, Chennai 5.
- 3. Sundaram, KPM, E.N.Sundaram, 2016, Modern Banking Sultan Chand and Sons, New Delhi.
- 4. Gupta, P.K., 2016, Insurance and Risk Management, Himalaya Publishing House, Goregaon, Mumbai.
- 5. Premkumar Srivatsava 2017, Banking Law and Practice, Himalaya Publishing House, Mumbai.

	Programme Outcomes				
	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	2	2
CO2	1	2	2	2	2
CO3	1	3	2	3	2
CO4	3	3	2	2	2
CO5	2	3	3	2	3

^{*3}– Strong, **2-** Medium, **1-** Low

SEMESTER - II CORE - 5 PART - III	222PCOPC21: ADVANCED FINANCIAL ACCOUNTING	CREDITS: 4 HOURS: 6
PAKI - III		

Learn	Learning Objectives:				
LO1:	To provide an in depth knowledge in Partnership accounts in Admission				
LO2:	To provide an in depth knowledge in Partnership accounts in Dissolution				
LO3:	To foster analytical thinking on the related areas of Hire Purchase and Instalment System				
LO4:	To educate students for Branch and Departmental Accounts				
LO5:	To impart knowledge on issue of shares				

Unit I:Partnership Accounts – Admission, Retirement and Death of Partner

Partnership accounts - Division of profits - past adjustments and guarantee - Admission, Retirement and Death of a Partner - Intangible assets and Goodwill - Accounting Treatment.

Unit II: Partnership Accounts -Dissolution and Sale of Partnership

Dissolution – Insolvency of Partners – Rule in Garner Vs. Murray – Piecemeal Distribution – Sale of a Partnership Firm to a company.

Unit III: Hire Purchase and Installment System

Hire purchase system – Default in payment of Installment- Partly and Complete Repossession of Stock – Accounting Procedures - Hire purchase trading A/c – Stock and Debtors System – Installment system

Unit IV: Branch and Departmental Accounts

Branch accounts – Dependent Branches – Stock and Debtors System – Independent branches – Wholesale Branch system – Foreign Branch – Departmental Accounts- Inter-Departmental transfer – Treatment of unrealized profit

Unit V: Company Accounts

Concepts – Shares issue – Application – Allotment – call money - share forfeitures – Reissue of Shares – calculation of Capital Reserve and Company Final Accounts.

	After the successful completion of the course, the students will be able to:
CO1:	Solve the problems of partnership accounts relating to Admission of partner
CO2:	Solve the problems of partnership accounts relating to Dissolution and Sale of Partnership
CO3:	Practise accounting problems relating to Branch and Departmental Accounts
CO4:	Solve the accounting problems relating to Hire Purchase and InstallmentSystem
CO5:	Understand emerging areas in issue of shares

Text Books:

- 1. Gupta R.L and Radhasamy, 2015, Advanced Accounting, S.Chand and Sons Publishers, New Delhi.
- 2. Shukla M.C Grewal T. 2017, Advanced Accounts, 2015, S. Chand and Sons Publishers. New Delhi
- 3. Jain S.P Narang KL 2017, Advanced Accountancy I and II Kalyani Publishers Ludhiana

Supplementary Readings:

- 1. Maheswari SN 2014. Advanced Accounts Sultan Chand and Sons, New Delhi
- 2. Ashok Shegal and Deepal Shegal 2013 Advanced Accounting, Taxmann Publications PVT Limited, New Delhi.
- 3. Vinayagam and Charumathi B 2014 Final Accounts, Sultan Chand & Sons , New Delhi .
- 4. Reddy, T.S and Murthy A, 2015 Financial Accounting-Margham Publications, Chennai.
- 5. Sundern Gary L. Horngren Charles T Elli off John, 2017 Introduction to Financial Accounting, Pearson Education, New Delhi.

	Programme Outcomes					
	<u>PO1</u>	<u>PO1</u> <u>PO2</u> <u>PO3</u> <u>PO4</u> <u>PO5</u>				
<u>CO1</u>	<u>3</u>	<u>3</u>	<u>3</u>	3	<u>3</u>	
<u>CO2</u>	<u>3</u>	<u>3</u>	3	3	<u>3</u>	

CO3	<u>3</u>	<u>3</u>	3	3	3
<u>CO4</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>
<u>CO5</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER - II	22PCOPC22: INCOME TAX LAW	CREDITS: 4
CORE -6	AND PRACTICE	HOURS: 6

Learn	Learning Objectives:		
LO1:	To get the students to acquaint with knowledge on the provisions of Income Tax Regulations in India		
LO2:	To educate the students on computation of Salary and House Property Income		
LO3:	To enable the students to learn the Income from Business and Profession, Capital gain and other sources		
LO4:	To know Clubbing of Income and Set off & Carry forward losses		
LO5:	To impart knowledge to the students to file tax returns		

Unit I Concept of Income

Income Tax Act – Definition – Income – Agriculture Income – Assessee – Previous year – Assessment year – Residential Status – Scope of Total Income – Capital and Revenue – Receipts and Expenditure – Exempted Incomes.

Unit II: Computation of Salary and House property Income

Heads of income - Salaries income - Allowances - Perquisites - Gratuity - Pension - Profits-in-lieu of salary - Provident funds - Income from House property - Definition of annual value - Deductions from annual value - Computation of income house property under different circumstances.

Unit III: Computation of Income from Business and Profession, Capital gain and other sources

Computation of Profits and Gains of Business or Profession – Computation of Capital Gain - Computation of Income from other sources.

Unit IV Clubbing of Income and Set off & Carry forward losses

Clubbing of income – Set off and Carry forward of losses - Permissible deductions from gross total income – Sec.80s.

Unit V Procedure for Assessment

Income Tax Authorities – Procedure for Assessment – Tax Deducted at Source (TDS) – Assessment of Individuals, Hindu Undivided Family, Partnership Firms and Companies.

Course Outcomes:		
	After the successful completion of the course, the students will be able to:	
CO1:	Understand the concept of income	

CO2:	Compute the total income of various kinds of assesses
CO3:	Understand the clubbing of income and carry forward of losses
CO4:	Determine the tax liability under different heads of income
CO5:	Get familiarized with filing of return on different kinds of assesses

Text Books:

- Srinivasan T 2022-23 Income Tax Law and Practice, Vijay Nicole Imprints Limited, Chennai
- 2. Bhagavathi Prasad, 2022-23Direct Taxes Law and Practice, New Age International (P) Ltd. New Delhi.
- 3. Mehrotra and Goyal Sahitya 2022-23 Income Tax Law and Accounts, Bhavan Publications. New Delhi

Supplementary Readings:

- 1. Girish Ahuja and Ravi Gupta, 2022-23, Systematic Approach to Income tax, Bharat Law House Ltd., New Delhi.
- 2. Gaur V.P. and Narang. D.B. 2022-23, Income Tax Law and Practice Kalyani Publishers, Ludhiana
- 3. Reddy T.S. and Hariprasad Reddy.Y 2022-23, Income Tax Theory, Law and Practice –Margham Publications, Chennai
- 4. Ramesh Sharma 2022-23, Income tax Pleading, Practice, Bharath Publications, New Delhi
- 5. Vinod K. Singhania 2022-23 Students Guide to Income Tax Taxmann Publications Pvt. Ltd, New Delhi.

	Programme Outcomes				
	PO1	PO2	РО3	PO4	PO5
CO1	2	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	2	3	3	3	3

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER - II 22PCOPC23: LEGAL FRAME CREDITS: 4 CORE -7 WORK FOR CO-OPERATIVES HOURS: 6	ļ
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Learn	ing Objectives:
LO1:	To educate the students for the Origin and development of Cooperative legislation
LO2:	To understand the legislations of Tamil Nadu Co-operative Societies Act 1983
LO3:	To impart the knowledge on the regulatory provisions relating to Cooperatives.
LO4:	To impart the students on legal provision for employees of co-operatives
LO5:	To understand the Indian contract Act and allied laws.

Unit I Cooperative Legislation

Need for Legal Frame Work for Cooperatives-History of Cooperative Legislation in India- Cooperatives Credit Societies Act of 1904- Cooperative Societies Act of 1912 - Model Cooperative Societies 1991-Self Reliant Cooperatives Societies Act 1995-features – Multi-unit Cooperative Societies Act 2002 – Constitutional Amendment Act, 2011 - Features.

Unit II The Tamil Nadu Cooperative Societies Act 1983

Provision Relating to Registration, Amendment of Bye Laws, Division- Amalgamation, Qualifications and disqualification of Members-Management of Cooperatives - Duties and Privileges of Registered Societies -Properties and Funds of a Registered Societies- Net Profit Distribution.

Unit III Regulatory Provisions Relating to Cooperatives

Audit , Inquiry, Inspection, Surcharge-Supersession of the Board-Winding up of Cooperatives- Settlement of Disputes – State Aid to Registered Cooperatives.

Unit IV Provisions Relating to Employees of Cooperatives

Common Cadre - Recruitment Bureau-Selection, Placement- Rewarding - Offences and Penalties to Employees - Provisions relating to Appeal - Revision-Review- Cooperative Tribunals.

Unit V Other Laws

Indian Contract Act of 1872 - Essential of Valid Contract -Breach of Contract and its Remedies. Sale of Goods Act 1930- Sale-Agreement to Sell, Consumer Protection Act 1986- Features-Grievance Redressal Mechanism - Right to Information Act 2005-Features.

Cours	Course Outcomes:		
	After the successful completion of the course, the students will be able to:		
CO1:	Enhanced knowledge on history of cooperative legislation		
CO2:	Knowledge Gained on registration procedure and management of cooperatives		
CO3:	Enhanced the regulatory provision of cooperatives		
CO4:	Understanding the provision relating to employees of cooperatives		
CO5:	Knowledge on application of allied and other laws		

Text Books:

- 1. Arul Selvam M,2017 Tamil Nadu Co-operative Manual, Malathi Publications, Chennai.
- 2. Government of Tamil Nadu Co-operative Societies Act of 1983, Tamil Nadu Co-operative Union, Chennai.
- 3. Goel B.B, 2013 Co-operative Legislation Trends and Dimensions, Deep and Deep Publications Pvt. Ltd, New Delhi.

Supplementary Readings:

- **1.** Weerman P.E, 1994 Model Co-operative Societies Law with The Authors Commentary, ICA, New Delhi.
- 2. Kapoor N.D, and Rajni Abi, 2010 General Laws and Procedures, Sultan Chand and Sons, New Delhi
- 3. Calvert H, 1959 The Law and Principles of Co-operation, Thacker Spink, Calcutta
- **4.** Pillai, R.S.N and Bhavathi, 2013, Legal Aspect of Business, S. Chand & Company New Delhi.
- **5.** Tulsian P.C. and C. A. BharathTulsian, (2014), Business Law, S. Chand & Company New Delhi.

	Programme Outcomes				
	PO1	PO2	PO3	PO4	PO5
CO1	2	3	2	3	2
CO2	3	1	1	2	2
CO3	3	2	1	3	2
CO4	3	3	1	2	2
CO5	2	3	1	3	2

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER - II	22PCOPC24: CO-OPERATION IN	CREDITS: 3
CORE -8	FOREIGN COUNTRIES	HOURS: 5

Learni	Learning Objectives:		
LO1:	To help the students identify the causes for success of co-operative movement in England		
LO2:	To educate the students for co-operative movement in Germany & Itlay		
LO3:	To make the students acquire knowledge in dairy co-operatives in Denmark		
LO4:	To acquire knowledge in co-operative movement in Israel		
LO5:	To impart knowledge in Co-operatgive movement in USA		

Unit I: Consumer Co-operative Movement in England

Introduction - Robert Owen, Dr.William King and Rochdale Pioneers – The Retail Stores, Co-operative Wholesale Society - The Scottish Co-operative Wholesale Society, Co-operative Wholesale Society and Scottish Co-operative Wholesale Society a Comparative Study – Difficulties of the Co-operative Wholesale Movement. Co-operative consumer movement in Sweden: Feature – Constitution and working of Cooperative Forbundet (K.F).

Unit II: Credit Movement in German and Italy

Origin of Co-operative Movement; Raiffesien Societies, Schulze-Delitzsch Societies - Comparative Study of Raiffesien and Schulze Societies - First and Second World War and the Co-operative Movement - Development after the Second World War - Co-operation in Italy; Working of Banca Popularre (Peoples Bank), CasseRuralie (Rural Banks), Formation of Fascist National Organism of Co-operation (FNTE)

Unit III: Dairy Co-operatives in Denmark

Co-operative Dairies - Growth and Development - Factors Responsible for the Success of Co-operative Dairies - Co-operative Bacon and Egg Societies: Co-operative Cattle Societies - Characteristic Features of Danish Co-operative Movement - Difficulties for India in Adopting the Danish Model

Unit IV: Co-operative Movement in Israel

The Early Co-operative Groups - The Beginning of Co-operative Movement in Palestine - Co-operative Developments in Israel; Credit Co-operatives, Agricultural Co-operatives, Co-operative Housing, Workers Producers Transportation and Service Societies (WPTSS), Consumer Co-operatives – Features of the Co-operative Movement in Israel

Unit V: Co-operative Movement in U.S.A

The Origin – Rural Co-operative Movement, Urban Co-operative Movement; Consumers' Co-operatives, Service Co-operatives, Credit Unions, New Wave Co-operatives, Health Care Co-operatives – Chief Characteristics of the Co-operative Movement in U.S.A

Cours	Course Outcomes:		
	After the successful completion of the course, the students will be able to:		
CO1:	Acquire knowledge about success of Cooperative Movement in England.		
CO2:	Understand the Cooperative Movement in German & Itlay		
CO3:	Appreciate the importance of Diary Cooperative in Denmark.		
CO4:	Understand the logic of Cooperative Movement in Israel.		
CO5:	Familarise the logic of Cooperative Movement in USA.		

Text Books:

- 1. Hajela.T.N, 2016 Co-operation Principles, Problems and Practice, Ane Books Private Limited, New Delhi.
- 2. Hajela.T.N, 2010 Co-operation Principles, Problems and Practice, Konark Publishing House, New Delhi,
- 3. Onafowokan O, Oluyombo,2012 Co-operative Finance in Developing Economics, Soma Prints Limited. Nigeria.
- 4 Bedi R.D, Theory, 1996 History and Principles of Co-operation, Loyal Book Depot, Meerut.
- Kulkarni, 2000 Theory and Practice of Co-operative in India and Abroad, Co-operative Books Depot, Mumbai

Supplementary Readings:

- 1. Madan G.R, 1994 Co-operative Movement in India, Mittal Publications, New Delhi
- 2. Hajela T.N, 2010 Co-operation: Principles, Problems and Practice, KonarkPublishing House, New Delhi,
- 3. John Winfred and Kulandai Swami V 2000, History of Co-operative Thoughts, Rainbow Publications, Coimbatore,
- 4. Memoria C.B, 1973 Co-operation in India and Abroad, Kitab Mabal, Allahabad.
- 5. Krishnaswami O.R, 1999 Fundamentals of Co-operation, S.Chand and Sons, New Delhi.

	Programme Outcomes						
	PO1	PO1 PO2 PO3 PO4 PO5					
CO1	2	3	2	3	2		
CO2	3	1	2	2	1		
CO3	1	2	2	1	1		

CO4	3	3	2	2	1
CO5	1	3	1	3	2

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER -	II
Core Elective	-2

22PCOPE25-1: MANAGEMENT INFORMATION SYSTEM AND COMPUTER APPLICATIONS

CREDITS:3 HOURS: 5

Learn	Learning Objectives:			
LO1:	To study about computer information system and business model.			
LO2:	To study the functional area of information system.			
LO3:	To educate the students for primary and secondary data storage			
LO4:	To know about software engineering qualities.			
LO5:	To educate the students for computer applications in management information sytem			

Unit I: Information System

Information System: Introduction, Data, Information and Knowledge – Characteristics – Computer Based Information System(CBIS) – Need for Efficient Information System – Categories of Information System – Modern Information System.

Unit II: Functional Areas

Functional Areas: Finance, Marketing, Design, Production, Service, Personnel – Levels and Concepts of DSS, EIS, ES – Comparison – Coding Techniques – Detection of Error – Validation – Cost benefit analysis – Assessing the value and risk.

Unit III: Storage Fundamentals

Primary and Secondary Data Storage and Retrieval Methods – Sequential, Direct and Index Sequential, SIMM, Various Storage and Magnetic Tape, Hard Disk Drives – Floppy Disk, Optical Disk, Zip Drive, Memory Card; RAM, ROM, EPROM, PROM, Cache, Register and other types of memory.

Unit IV: Software Engineering

Software; Specification, Metrics, Quality Assurance – Systems Methodology – Objectives – Time and Logic, Knowledge and Human dimension – Life Cycle Models.

Unit V: Computer Applications

Concept, Classifications of Computer – Computer Generations – Computer Programming – Operating System; Concept, Types of OS – DOS, WINDOWS, UNIX – Features – Hardware.

	After the successful completion of the course, the students will be able to:
CO1:	Acquire knowledge in Information System and Business Model

CO2:	Understand the Modern InformationSystem
CO3:	Familarise functional areas of information system
CO4:	Apply testing security and risk of information system
CO5:	Appreciate the implications of software engineering qualities

Text Books:

- Goyal D.P 2012 Management Information System : Management Perspective Macmillan, New York
- 2. Rajagopalan SP Management Information System Margham Publiicaions Chennai
- Gardon B Davis Management Information System: Concept Foundations McGraw Hill USA

Supplementary Readings:

- Edwards, Ward and By the way 2015 The Essence of Information System, Prentice Hall, New Delhi
- 2. Kanter 2015 Management Information System, Prentice Hall, New Delhi.
- 3. James O'Brien 2015 Management Information System, Galgotia Pub., New Delhi.
- 4. David Kronke 2016 Management Information System, McGraw Hill, New Delhi.
- 5. Gupta A.K 2014 Management Information System S.Chand and Co New Delhi

	Programme Outcomes					
	PO1	PO2	PO3	PO4	PO5	
CO1	3	2	3	2	2	
CO2	1	3	1	1	1	
CO3	1	1	1	1	2	
CO4	1	3	2	1	1	
CO5	3	3	3	3	2	

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER - II	22PCOPE25-2: EXPORT	CREDITS:3
Core Elective -2	MARKETING	HOURS: 5

Learni	Learning Objectives:				
LO1:	To enable the students to understand the functioning of export marketing				
LO2:	To know the processes involved in export marketing				
LO3:	To understand the steps involved in export				
LO4:	To understand the export policies and Promotion				
LO5:	To educate the students to know about the development agencies functioning in				
	India				

Unit I: Export Marketing

Meaning – Objectives – scope – Need for and importance of export trade – Distinction between internal trade and international trade – Problems faced by exporters.

Unit II: Functions of Export Marketing

Sources of market information – Product planning – Quality control – Export pricing – Export marketing channels – Strategy formulation.

Unit III: Steps in Export

Confirmation of order – Production of goods – Shipment – Negotiation – Documents used for export – Commercial documents – Regulatory documents – ISO Certification-USFDA Registration-CE Marking

Unit IV: Export Policy and Promotion

EXIM Policy – Regulation of export trade - Organisations for promoting export – incentives and assistance – Export Houses – Trading Houses.

Unit V: Institutions engaged in Export

ECGC - EXIM Bank - Organisations promoting export - Commodity Board - EPC - STC - MMTC.

	After the successful completion of the course, the students will be able to:
CO1:	Gain general exposure to Export and Trade
CO2:	Acquainting knowledge in Export Marketing
CO3:	Understand the steps for exporting and their by-laws

CO4:	Understand the export policy and promotion
CO5:	Gain knowledge in institutions engaged in export

Text Books:

- 1. Mahajan M.I, 2015, Export Policy, Procedure and Documentation, Snow white Publications, Mumbai
- 2. Natarajan L 2017, Import and Export Procedure (Import Management), Margham Publications, Chennai.
- 3. Rathor B.S and Rathor, J.S 2016, Export Marketing, Himalaya Publishing House, New Delhi.

Supplementary Readings:

- 1. Francis Cherunilam 2016, International Trade and Export Management, Himalaya Publishing House, New Delhi
- 2. Paras Ram , 2017, Nilkhil Garg Export : What, Where and How? Anupam Publishers, New Delhi
- 3. Hand Book of Export Import Procedures: Ministry of Commerce 2015-2020 Government of India Volume No:1 and 2
- 4. Mahajan M.I, 2015, Export Do it yourself, Snow white Publications, Mumbai
- 5. Mahajan M.I, 2015, Import Policy, Procedure and Documentation, Snow white Publications, Mumbai.

	Programme Outcomes					
	PO1	PO2	PO3	PO4	PO5	
CO1	3	2	3	2	3	
CO2	2	2	2	3	2	
CO3	1	2	2	2	3	
CO4	2	1	1	2	3	
CO5	3	3	3	1	2	

^{*3-} Strong, 2- Medium, 1- Low

SEMESTER - II Core Elective -2

22PCOPE25-3: STATEGIC MANAGEMENT FOR CO-OPERATIVES

CREDITS:3 HOURS: 5

Learning Objectives:							
LO1:	To enable the students to understand the strategic Management in Co- operatives						
LO2:	To know the processes of situation analysis						
LO3:	To understand the steps in Strategic Decisions						
LO4:	To educate the students to implement Strategy						
LO5:	To impart the students to know about the Strategic Issues in Cooperatives and Global business						

Unit I: Strategic Management

Meaning, Definition – Evolution and approaches of Strategic Management – Conceptual Framework – Strategic Management Process – Relevance and importance of Strategic Management in co-operatives-Strategic Change – Strategic Leadership and Decision Making.

Unit II: Situation Analysis

Vision, Mission, Objective and goals – Importance – External Environment Analysis – Internal Environment Analysis – Organizational Analysis – Techniques of Environmental Analysis – SWOT Analysis (as applicable to Cooperatives)

Unit III: Strategic Decisions

Approaches to Strategy Formulation – Strategy Alternatives – External Growth Strategies – Generic Business Strategies – Corporate Strategies – Choice of Strategy – Development of Policies – Strategic Alliances.

Unit IV: Strategy Implementation

Organization for action – Issues in Strategy Implementation – Structural Implementation – Behavioral Implementation – Functional Implementation – Strategic Evaluation and Control.

Unit V: Strategic Issues in Cooperatives and Global business

Managing Technology and Innovation – Special types of Organization – Organizational adoption and change – Strategic Surveillance – Strategic Effectiveness - Strategies for Management in Cooperatives.

Course Outcomes:					
	After the successful completion of the course, the students will be able to:				
CO1:	Understand the approaches in Stategic Management				
CO2:	Analayse the situation analysis				
CO3:	Acquire the strategic decisions				
CO4:	Implement Strategies				

CO5: Gain knowledge in strategic issues in co-operaives in Global issues

Text Books:

- 1. Krishnaswami O.R & Kulandaisamy V,2012 Cooperation, Concept and Theory, Arudra Publications, Coimbatore
- 2. P.K Ghose, 2011 Strategic Planning and Management, Sultan Chand & Sons, New Delhi.
- 3. Thomas L.Wheelan, J. David, 2015 Strategic Management and Business Policy, Hunger, Pearson Education.New Delhi

Supplementary Readings:

- 1. John A. Pearce, Richard B. Robinson, 2017 Strategic Management Strategy Formulation and Implementation, AITBS Publishers, Krishnan Nagar New Delhi.
- 2. Shah A.K, 2007, Professional Management for Co-operatives Himalaya Publishing House, New Delhi.
- 3. Nakkiran S, A 2002 Treatise on Co-operative Management, Rainbow Publications, Coimbatore.
- 4. Kulandaiswami V,2002 Text Book of Co-operative Management, Arudra Academy, Coimbatore
- 5. Taimini K.K, 2006, Managing the Co-operative Enterprise, Minerva Associations, ICA Domus Trust, New Delhi.

	Programme Outcomes						
	PO1	PO2	PO3	PO4	PO5		
CO1	2	3	2	3	2		
CO2	3	1	1	2	2		
СОЗ	3	2	1	3	2		
CO4	3	3	1	2	2		
CO5	2	3	1	3	2		

^{*3}– Strong, **2-** Medium, **1-** Low