

Paper Code	TitleofthePaper	Credits	No of Hours/ week Theory/ Practical	Duration of SEE	Marks		
					InternalA sssessment	Semester EndExa m	Total Marks
IVSemester							
HCT 4.1	Advanced Management Accounting	5	5	3	25	75	100
HCT 4.2	Operations Research for Corporate Decisions	5	5	3	25	75	100
HCT 4.3	Entrepreneurial Ecosystem	5	5	3	25	75	100
SCT 4.5 (A)	Customer Duty: Law and Practice	5	5	3	25	75	100
SCT 4.5 (B)	Financial Derivatives						
CDR 4.6	Project Report and Viva-voce	5	5	-	25 (Viva-voce)	75 (Report)	100
	Total	25	24		125	375	500

<b>Master of Commerce (M.Com.) Fourth Semester</b>		
<b>Course Code: HCT 4.1</b>		
<b>ADVANCED MANAGEMENT ACCOUNTING</b>		
<b>Continuous Internal Assessment Marks: 25</b>		<b>Semester-End Examination Marks: 75</b>
<b>Course Credits</b>	<b>Teaching Workload</b>	<b>Total No. of Teaching Hours</b>
<b>5</b>	<b>5 Hours per Week</b>	<b>60</b>
<b>Pedagogy:</b> Classroom Lectures, Group Discussion, Seminar, Case Studies, Field Work etc.		
<b>Course Outcomes</b> After successful completion of this course, the students will be able to: <ul style="list-style-type: none"> <li>• Evaluate the need of advanced management accounting.</li> <li>• Demonstrate the role of backflush accounting in effective inventory management cost.</li> <li>• Establish the thinking process to implement the Throughput accounting and Pareto Analysis in modern businesses.</li> <li>• Enhance the capabilities to prepare project reports on various key areas of the business.</li> <li>• Evaluate importance of responsibility accounting in a business and financial modelling techniques.</li> </ul>		
<b>Unit</b>	<b>Description</b>	<b>Hours</b>
<b>1</b>	<b>Introduction to Advanced Management Accounting:</b> Introduction – Meaning – Definitions - Characteristics of Advanced Management Accounting – Significance – Objectives - Steps to implement Advanced Management Accounting - Role of Advanced management accounting in businesses - Techniques of Advanced Management Accounting. Relevant case studies and articles.	<b>10</b>
<b>2</b>	<b>Backflush Accounting:</b> Introduction – Concept – Meaning – Definitions - Features of Backflush Accounting – Role – Functions - Importance of Backflush Accounting - Merits and demerits and Application of Backflush accounting in Just-In- Time technique- Practical problems. Relevant Case studies and articles.	<b>10</b>
<b>3</b>	<b>Throughput Accounting and Pareto Analysis:</b> Introduction- Meaning - Definitions and basic concepts of Throughput accounting – Importance – Characteristics - Mechanism of Throughput accounting -Traditional Product Costing and Throughput accounting - Bottle neck and overhead attributes - Throughput accounting ratio and its application in business key areas - Practical Problems. Pareto Analysis- Concept, benefits, limitations of Pareto Analysis- Practical problems. Relevant case studies and articles.	<b>15</b>
<b>4</b>	<b>Budget and Budgetary Control:</b> Introduction –Meaning - Definitions of budget - budgeting and budgetary control - Forecast Vs Budget - Requirements of a sound budget system - Benefits and limitation of budgeting - Budgeting process - Types of budget - Traditional budget - Master budget - Rolling and Flexible budget. Analysis of cost variances and Behavioural aspects of budgeting- Practical problems. Relevant case studies and articles.	<b>15</b>

5	<b>Responsibility Accounting &amp; Financial Modelling Techniques:</b> Introduction – Meaning - Definitions of responsibility accounting – Significance - Steps in implementation of responsibility accounting - Types of responsibility centres - Cost centre - Revenue centre - Profit centre and Investment Centre - Link to business, Practical Problems. Financial Modelling techniques - DuPont Analysis - Cost Modelling and Three Statement analysis - Transfer Pricing. Relevant case studies and articles.	10
<p><b>Recommended Books</b></p> <ol style="list-style-type: none"> <li>1. Ravi M. Kishore, (2012), <i>Advanced Management Accounting</i>, Taxmann's Publications, 14th edition.</li> <li>2. M Y Khan, (2012), <i>Management Accounting, Text, Problems and Cases</i>, Tata McGraw Hill Education Private Limited, 5th edition.</li> <li>3. Ravi M. Kishore (2008), <i>Cost Accounting and Financial Management</i>, Taxmann Allied Services Pvt. Ltd, 4th edition.</li> <li>4. M Y Khan and P K Jain (2015), <i>Financial Management, Text, Problems and Cases</i>, McGraw Hill Education (India) Pvt. Ltd, 7th edition.</li> <li>5. P C Tulsian &amp; Bharat Tulsian, (2015), <i>Advanced Management Accounting: For CA Finals A Self Study</i>.</li> <li>6. Ravi M. Kishore, <i>Advanced Management Accounting</i>, Taxmann's Publications, 3rd edition.</li> <li>7. Santosh Singhal, <i>Accounting and Financial Analysis</i>.</li> <li>8. <a href="https://students.icai.org/?page_id=5433">https://students.icai.org/?page_id=5433</a>.</li> </ol> <p><b>Note: Latest edition of Reference books may be used.</b></p>		

<b>Master of Commerce (M.Com.) Fourth Semester</b> <b>Course Code: HCT 4.2</b> <b>OPERATIONS RESEARCH FOR CORPORATE DECISIONS</b> <b>Continuous Internal Assessment Marks: 25      Semester-End Examination Marks: 75</b>		
<b>Course Credits</b>	<b>Teaching Workload</b>	<b>Total No. of Teaching Hours</b>
<b>5</b>	<b>5 Hours per Week</b>	<b>60</b>
<b>Pedagogy:</b> Classroom Lectures, Group Discussion, Seminar, Case Studies, Problem Solving etc.		
<b>Course Outcomes</b> After successful completion of this course, the students will be able to: <ul style="list-style-type: none"> <li>Identify and apply appropriate OR techniques in dealing with business problems;</li> <li>Formulate and solve Linear Programming Problems;</li> <li>Build and solve Transportation and Assignment real life problems;</li> <li>Resolve Machine Replacement oriented problems;</li> <li>Learn to design PERT network and identify CPM for optimizing project time and cost in decision making.</li> </ul>		
<b>Unit</b>	<b>Description</b>	<b>Hours</b>
1	<b>Operations Research and Linear Programming:</b> Introduction, Development, Nature and Definitions, Characteristics, Phases of OR Study, Modelling in OR, Techniques of OR, OR in world and Indian Scenario. <b>Linear Programming:</b> assumption of LP, Formulation of LP Problem and Graphical solutions for LPP.	12
2	<b>Simplex Solutions for LP:</b> Introduction, Definitions and notations, Computational Procedure of Simplex Method, Big-M Method, Two-Phase Method, Problem of degeneracy, Method to resolve the degeneracy.	12
3	<b>Transportation and Assignment Models:</b> Introduction, Mathematical Formulation and Tabular representation, Methods of obtaining initial basic feasible solutions, Optimum Solution, Unbalanced Transportation Problem. <b>Assignment Models-</b> Introduction, Mathematical Formulation of Assignment model, Methods of solutions to Assignment model - Hungarian Approach, Unbalanced Assignment models.	12
4	<b>Replacement Models:</b> Machines Replacement Models, Replacement of Items Deteriorating with Time, without time; Individual Replacement, Group Replacement.	10

5	<b>Network Models (PERT and CPM):</b> Introduction, Application of PERT/CPM Techniques, Basic Steps in PERT/CPM Techniques, Network Diagram Representation- Rules for constructing the network diagram, types of Activities, Nodes/Events, Errors in PERT Network. Determination of Critical Path- PERT, Estimating activity times, Project duration and critical path, Optimization of Project-Time and Cost.	14
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### Recommended Books:

1. Anitha.H.S. *Operations Research*. Excel Books. New Delhi.
2. Kantiswaroop and Manmohan Gupta. *Operations Research*. S Chand & Sons.
3. Sharma J.K. *Mathematical Models in Operations Research*. Tata McGraw Hill Publishing Company Ltd.
4. Harvey M. Wagner. *Principles of Operations Research with Applications to Management Decisions*. Prentice Hall of India Ltd.
5. Sharma S.D. *Operations Research*. Kedar Nath Ram Nath & Company.
6. Taha H.A. *Operations Research*. Prentice Hall of India.
7. Sharma J.K. *Quantitative Techniques for Managerial Decisions*. McMillan India Ltd.
8. Kapoor V.K. *Operation Research Technique for Management*.
9. Gupta R.K. *Linear Programming*.
10. Gupta M.P. and Sharma J.K. *Linear Programming for Management*. National Publishing House.
11. Shrinath L.S. *Principles and Applications: Pert and CPM*. Affiliated East West Press Pvt Ltd.

### E-Resources

1. <https://youtu.be/llqhvtxr9U4>
2. <https://youtu.be/WAeATBIhrL4>
3. <https://youtu.be/JqrNeIBYABA>
4. <https://youtu.be/ItOuvM2KmD4>
5. <https://youtu.be/KVGEXbmvsfk>
6. <https://youtu.be/M8POtpPtQZc>
7. <https://youtu.be/zN4AE1YjE2I>
8. <https://youtu.be/u3s-e9aKcog>
9. <https://youtu.be/pnJUzNFn3CA>
10. <https://youtu.be/kUAWB-s7u0Q>
11. <https://youtu.be/uPfbNyAla6c>
12. <https://youtu.be/vv8Sk4zZ6Hw>
13. [https://onlinecourses.nptel.ac.in/noc22\\_mg30/preview](https://onlinecourses.nptel.ac.in/noc22_mg30/preview)

<b>Master of Commerce (M.Com.) Fourth Semester</b> <b>Course Code: HCT 4.3</b> <b>ENTREPRENEURIAL ECOSYSTEM</b> <b>Continuous Internal Assessment Marks: 25      Semester-End Examination Marks: 75</b>		
<b>Course Credits</b>	<b>Teaching Workload</b>	<b>Total No. of Teaching Hours</b>
<b>5</b>	<b>5 Hours per Week</b>	<b>60</b>
<b>Pedagogy:</b> Classroom Lectures, Group Discussion, Seminar, Case Studies, Field Work etc.		
<b>Course Outcomes</b> After successful completion of this course, the students will be able to: <ul style="list-style-type: none"> <li>Analyze the role of entrepreneurship towards economic development.</li> <li>Demonstrate the need of entrepreneurial competency and importance of EDPs.</li> <li>Examine the challenges of women and social entrepreneurship.</li> <li>Evaluate the steps involved in the formulation of business ideas.</li> <li>Communicate effectively the impact of institutional efforts towards entrepreneurship development and Government Schemes for Startups.</li> </ul>		
<b>Unit</b>	<b>Description</b>	<b>Hours</b>
<b>1</b>	<b>Introduction</b> - Concept of Enterprise - Entrepreneurship Development – Evolution - Theories of Entrepreneurship - Concept of Intrapreneurship – Employee entrepreneurship - Role of Entrepreneurship in Economic Development - Factors affecting and challenges of Entrepreneurs. Relevant case studies and articles.	<b>08</b>
<b>2</b>	<b>Entrepreneurial Competency and Development:</b> Introduction – Concept - Developing Entrepreneurial competencies - Entrepreneurial culture- Entrepreneurial Mobility – Factors - Types of Mobility - Concept of Entrepreneurial Motivation - Theories of Motivation. Entrepreneurial Development Programmes (EDPs) – Need – objectives – Phases -Target groups - Evaluation of EDPs. Relevant case studies and articles.	<b>12</b>
<b>3</b>	<b>Women and Social Entrepreneurship:</b> Introduction – Concept - Features and Challenges of women Entrepreneurship - Developing Women Entrepreneurship - Concept of Social Entrepreneurship - Sustainability issues in Social Entrepreneurship. Rural and Family Business Entrepreneurship - Entrepreneurial failures - Entrepreneurial resurgence - Myths and Reasons of Entrepreneurial failures - Essentials to Avoid Unsuccessful Entrepreneurship. Relevant case studies and articles.	<b>10</b>
<b>4</b>	<b>Business Ideas, Plan for Startups, and Projects Identification, Formulation and Classification,:</b> Introduction - Forms of Business Ownership - Environmental Analysis - Identifying Problems and Opportunities - Business Plan - Idea Formulation – Validation -Target Market - Assessment of Potential Markets - Business Model Canvas. Project Management: Concept – Features - Classification issues - Projects identification and Formulation - Project Design - Network Analysis- Project Evaluation –Appraisal - Report Preparation -Feasibility Report, etc. Relevant case studies and articles.	<b>15</b>

5	<b>Institutional Efforts to Entrepreneurship Development and Government Schemes for Startups:</b> Introduction - Role of Government in Promoting Entrepreneurship - MSME Policies in India - Agencies for Policy Formulation and Implementation: DIC, SISI, EDII, SIDBI, RUDSETI, MFI, SHGs, NIESBUD and CEDOK. Financial Support System: Source – MUDRA - Financial Institutions etc. Government Schemes: Venture Capital Schemes - Startup India - Single Point Registration Scheme - Small Business Innovation Research Initiative - Pradhan Mantri Mudra Yojana - New Generation Innovation and Entrepreneurship Development Center - Self Employment Lending Scheme - Coir Vikas Yojana - PM Kaushal Vikas Yojana - Government of Karnataka Patent Incentives - Marketing Assistance -Tax Incentives etc. Success Stories of Indian Startups. Relevant case studies and articles.	15
<b>RecommendedBooks</b> <ol style="list-style-type: none"> <li>1. A. K. Rai <i>Entrepreneurship Development</i>, Vikas Publishing House.</li> <li>2. David H, Holt, <i>Entrepreneurship: - New Venture Creation</i>, Pearson Publication.</li> <li>3. Couger C, <i>Creativity and Innovation</i>, IPP.</li> <li>4. S. S. Khanka, <i>Entrepreneurship Development</i>, Sultan Chand and Co Ltd, New Delhi.</li> <li>5. Michael Schaper, <i>Entrepreneurship and Small Business</i>, Wiley India Pvt. Ltd, New Delhi.</li> <li>6. R.V. Badi and N.V.Badi, <i>Entrepreneurship</i>, Vrinda Publication, 2nd Edition.</li> </ol> <p><b>Note: Latest edition of Reference books may be used.</b></p>		

<b>Master of Commerce (M.Com.) Fourth Semester</b> <b>Course Code: SCT 4.4 (A)</b> <b>CUSTOMS DUTY: LAW AND PRACTICE</b> <b>Continuous Internal Assessment Marks: 25      Semester-End Examination Marks: 75</b>		
<b>Course Credits</b>	<b>Teaching Workload</b>	<b>Total No. of Teaching Hours</b>
<b>5</b>	<b>5 Hours per Week</b>	<b>60</b>
<b>Pedagogy:</b> Classroom Lectures, Group Discussion, Seminar, Case Studies, Field Work etc.		
<b>Course Outcomes</b> After successful completion of this course, the students will be able to: <ul style="list-style-type: none"> <li>Describe the system of taxation in India.</li> <li>Calculate and determine the duty liability under Customs Act.</li> <li>Compute the assessable value of Import and Export Transaction.</li> <li>Able to know the Import and Export Procedure under Customs Law.</li> <li>Evaluate the various rules and regulations applicable to baggage and other articles</li> </ul>		
<b>Unit</b>	<b>Description</b>	<b>Hours</b>
<b>1</b>	<b>Introduction - Indian Tax System-</b> Direct Tax and Indirect Taxes, merits and demerits of direct and indirect taxes. <b>Foreign Trade Policy (FTP) 2015-2020 -</b> Basic Concepts of Foreign Trade Policy (FTP) – Certain Definitions, objectives, General Provisions Regarding Imports and Exports. Relevant case studies and articles.	<b>10</b>
<b>2</b>	<b>Customs Law:</b> Introduction - Meaning, nature and scope of customs, some important definitions-event in case of import duty and export duty, Territorial waters, and Customs waters, Exclusive Economic Zone, Continental Shelf, Indian Customs Water, Goods under Customs Act, Dutiable goods, Imported goods, Export goods. <b>Types of Duties:</b> Basic customs duty, IGST, Protective duties, Safeguard duty, Countervailing Duty on subsidized articles, Anti-dumping duty, Exemption from Customs Duty-Computation of Customs Duty- Illustrative Problems. Relevant case studies and articles.	<b>15</b>
<b>3</b>	<b>Valuation under Customs:</b> Introduction - Valuation of Imported Goods: - Inclusions and Exclusions to customs value, Transaction Value- for same goods, identical goods, similar goods; Methods of Valuation-Deductive Value, Computed Value, Residual Method, Valuation for Exports; Computation of Assessable Value-Illustrative Problems. Relevant Case Studies and articles.	<b>15</b>
<b>4</b>	<b>Import &amp; Export Procedures:</b> Introduction - Import Procedure under customs (including warehousing), Goods Cleared for Home Consumption. Imports by 100% Export Oriented Units (EOU), Import/Procurement by SEZs Project Import, Export Procedure under Customs, Deemed Export, Duty Drawback, Negative List of Duty Drawback. Relevant Case Studies and articles.	<b>10</b>



5	<b>Baggage &amp; Postal Articles:</b> Introduction: Baggage & Postal Articles, Rate of customs duty on baggage, Exemption/restriction on baggage, Import of Samples, Baggage Rules, 2016-Illustrative Problems. Relevant Case Studies and articles.	10
<p><b>Recommended Books</b></p> <ol style="list-style-type: none"> <li>1. <i>H.L. Bhatia, Public Finance, Vikas Publishing House.</i></li> <li>2. <i>Balachandran. V, Indirect Taxation, Sulthan Chand and Sons.</i></li> <li>3. <i>V.S. Datey, Indirect Tax- Law and Practice, Taxmann's Publication.</i></li> <li>4. <i>V.S. Datey, GST- Ready Reckoner, Taxmann's Publication.</i></li> <li>5. <i>Sathpal Puliana, M.A. Maniyar, Glimpse of Goods and Services Tax, Karnataka Law Journal Publications, Bangalore.</i></li> <li>6. <i>Pullani and Maniyar, Goods and Services Tax, Karnataka Law Journal, Bangalore.</i></li> <li>7. <i>The Central Goods and Services Tax Act, 2017.</i></li> <li>8. <i>Central Goods and Services Tax (CGST) Rules, 2017.</i></li> <li>9. <i>ICAI Study Material.</i></li> <li>10. <i>Indian Baggage Rules, 2016.</i></li> </ol> <p><b>Note: Latest edition of Reference books may be used.</b></p>		

<b>Master of Commerce (M.Com.) Fourth Semester</b> <b>Course Code: SCT 4.4 (B)</b> <b>FINANCIAL DERIVATIVES</b> <b>Continuous Internal Assessment Marks: 25      Semester-End Examination Marks: 75</b>		
<b>Course Credits</b>	<b>Teaching Workload</b>	<b>Total No. of Teaching Hours</b>
<b>5</b>	<b>5 Hours per Week</b>	<b>60</b>
<b>Pedagogy:</b> Classroom Lectures, Group Discussion, Seminar, Case Studies, Field Work etc.		
<b>Course Outcomes</b> After successful completion of this course, the students will be able to: <ul style="list-style-type: none"> <li>▪ Define derivatives and state the role of participants in derivatives market.</li> <li>▪ Trace out evolution of derivatives.</li> <li>▪ List out premier derivative exchanges operating across the world.</li> <li>▪ Describe the features of different derivative instruments.</li> <li>▪ Describe trading mechanism.</li> <li>▪ Apply models for valuation of futures and options.</li> <li>▪ Devise trading strategies.</li> </ul>		
<b>Unit</b>	<b>Description</b>	<b>Hours</b>
<b>1</b>	<b>Introduction:</b> Meaning of Derivatives, reasons for emergence of derivatives, features of derivatives, types of derivative instruments - an overview, participants in derivatives market – hedgers, speculators, arbitrageurs and spreaders, functions of derivatives market, critiques against derivatives.	<b>10</b>
<b>2</b>	<b>Trading and Regulations:</b> Trading mechanism, role of clearing corporation/house, types of orders, risks in derivatives trading, World derivatives market – premier global derivative exchanges, evolution of derivatives market in India, Futures and Options Exchanges in India, regulations on derivatives in India, and recent trends in derivatives market in India.	<b>14</b>
<b>3</b>	<b>Forwards and Futures Contract:</b> Forwards – meaning, characteristics, benefits and shortcomings; Futures – meaning, features, advantages and demerits, distinction between forwards and futures, types of futures, specifications of futures on Indian markets, margin, types of margin, operation of margin account.	<b>12</b>
<b>4</b>	<b>Pricing of Forwards and Futures:</b> Valuation concepts – Annual Compounding, multiple compounding, continuous compounding, conversion of annual/multiple compounding rate to continuous compounding rate or vice-versa, discounting; Valuation of forwards and futures – Carry Pricing Model, stock index futures, valuation of stock index futures, hedging using futures contract and stock index futures contract, adjusting the beta of portfolio using stock index futures.	<b>14</b>
<b>5</b>	<b>Options Contracts: Meaning, types of option contract, characteristics of option contracts, option premium, components of option premium, determinants of option premium, put-call parity, characteristics of option values, option payoff, option pricing, models of valuation of option-Binomial Option Pricing Model, Black and</b>	<b>10</b>

	Scholes Model, option trading strategies with graphical presentation – covered call and put, bull spreads, bear spreads, butterfly spreads, straddle, strangle.	
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### **Recommended Books**

1. John C Hull. *Fundamentals of Futures and Options market*. Pearson Education, New Delhi
2. N.D. Vohra and B.R. Bagri. *Futures and Options*. Tata McGraw Hill, New Delhi.
3. Rustagi R.P. *Derivatives and Risk Management*. Taxmann Publications, New Delhi.
4. Robert W Kolb. *Understanding Futures Markets*. PHI, New Delhi
5. Franklin R Edwards. *Futures and Options*. Tata McGraw Hill, New Delhi
6. Hunt and Kennedy. *Financial Derivatives*. John Wiley & Sons, UK
7. VK Bhalla. *Financial Derivatives and Risk Management*. S Chand, New Delhi
8. Chance. *Introduction to Derivatives and Risk management*. Thomson Learning
9. D C Patwari. *Options and Futures in an Indian Perspective*. Jaico Publishers
10. I.M. Pandey. *Advanced Financial Management*. Vikas Publishing House, New Delhi.
11. William F. Sharpe, Gordon J Alexander and Jeffery V Bailey. *Investments*. Prentice Hall, New Delhi.
12. R. Mahajan. *Futures and Options*. Vision Books Pvt Ltd, New Delhi.
13. Prafulla Kumar Swain. *Fundamentals of Derivatives*. HPH
14. *Business Dailies*.

### **E-Resources:**

1. *Business News Channels*
2. <https://www.sebi.gov.in>
3. <https://www.investopedia.com/terms/d/derivative.asp>
4. <https://resource.cdn.icai.org/67846bos54415-cp8.pdf>
5. [https://www.sebi.gov.in/sebi\\_data/commndocs/jul-2021/Chapter%205%20-%20Exchange%20Traded%20Derivatives\\_p.pdf](https://www.sebi.gov.in/sebi_data/commndocs/jul-2021/Chapter%205%20-%20Exchange%20Traded%20Derivatives_p.pdf)
6. [https://www.sebi.gov.in/legal/master-circulars/may-2022/master-circular-for-commodity-derivatives-market\\_58937.html](https://www.sebi.gov.in/legal/master-circulars/may-2022/master-circular-for-commodity-derivatives-market_58937.html)
7. [https://www.sebi.gov.in/sebi\\_data/faqfiles/jan-2017/1485846339758.pdf](https://www.sebi.gov.in/sebi_data/faqfiles/jan-2017/1485846339758.pdf)
8. <https://sbi.co.in/documents/2182813/4777162/Risk+Management%3B+A+Case+Study+on+Derivative.pdf>
1. <https://www.imf.org/external/np/sta/fd/index.htm#:~:text=Financial%20derivatives%20are%20financial%20instruments,markets%20in%20their%20own%20right.>