



Anekant Education Society's

**Tuljaram Chaturchand College of Arts, Science & Commerce,
Baramati**

(Autonomous)

Three/Four Year Honours/Honours with Research B.Com. Degree

Program in Cost and Management Accounting

(Faculty of Commerce)

CBCS Syllabus

FYBCOM (Cost and Management Accounting)

For Department of Commerce

NEP-2.0

Choice Based Credit System Syllabus

(2024 Pattern)

(As Per NEP-2020)

To be implemented from Academic Year 2024-2025

Title of the Programme: FYBCOM (Cost and Management Accounting)**Preamble**

AES's Tuljaram Chaturchand College has decided to change the syllabus of various faculties from June, 2023 by taking into consideration the guidelines and provisions given in the National Education Policy (NEP), 2020. The NEP envisions making education more holistic and effective and to lay emphasis on the integration of general (academic) education, vocational education and experiential learning. The NEP introduces holistic and multidisciplinary education that would help to develop intellectual, scientific, social, physical, emotional, ethical and moral capacities of the students. The NEP 2020 envisages flexible curricular structures and learning based outcomes for the development of the students. The credit structure and the courses framework provided in the NEP are nationally accepted and internationally comparable.

The rapid changes in science and technology and new approaches in different areas of Commerce and related subjects, Board of Studies in Cost and Management Accounting of Tuljaram Chaturchand College, Baramati - Pune has prepared the syllabus of FYBA Geography Semester - I under the Choice Based Credit System (CBCS) by following the guidelines of NEP 2020, NCeF, NHEQF, Prof. R.D. Kulkarni's Report, GR of Gov. of Maharashtra dated 20th April, 16th May 2023 and 13th March, 2024 and Circular of SPPU, Pune dated 31st May 2023 and 2nd May, 2024.

A degree in Cost and Management Accounting prepares students for many rewarding career paths. Graduates find opportunities in financial analysis, management consulting, strategic planning, performance management, risk assessment, internal auditing, budgeting, and beyond. Throughout their three-year degree program, students delve into accounting and management principles at various scales, from individual enterprises to global corporations. They develop the ability to identify and analyze financial data, comprehend cost behaviors, and assess financial performance across different organizations.

The curriculum explores the complex relationship between financial decision-making and business strategy, revealing how financial insights drive managerial actions and contribute to organizational success. Specializing in this discipline, students gain insights into the processes that influence business financial health, the creation of budget plans, and resource allocation strategies. Armed with a comprehensive skill set and knowledge base, graduates are

well-equipped to enhance the financial understanding of businesses and tackle the challenges presented by our dynamic economic landscape.

Ultimately, updating the Cost and Management Accounting syllabus by NEP 2020 ensures that students receive an education that is relevant and thorough and equips them to adeptly navigate today's interconnected business world. It provides them with the knowledge, skills, and competencies necessary to contribute significantly to the corporate sector and pursue their academic and professional aspirations in an ever-evolving global economy.

Programme Specific Outcomes (PSOs)

PSO1: Cost and Management Analysis: Showcase your ability to analyze complex business problems related to costs and management practices, proposing effective solutions for improved financial performance and resource allocation, particularly within rural and urban contexts. These skills you can immediately apply in your professional life, making you a valuable asset in any business setting.

PSO2: Socio-Economic Impact Assessment: Develop and conduct socio-economic survey projects that evaluate the financial health and development of specific communities or social groups, considering the impact of business activities.

PSO3: Effective Collaboration and Leadership: Develop and showcase your ability to collaborate effectively as individuals, team members, or leaders in diverse business settings, fostering multidisciplinary approaches to problem-solving and decision-making within cost and management accounting. This program will equip you with the necessary skills to lead and succeed in any business environment.

PSO4: Technology Integration: Apply modern technology tools and data collection methods appropriate for cost and management accounting practices in contemporary business environments.

PSO5: Business Communication and Reporting: Communicate effectively with stakeholders at local and global levels, utilizing modern communication tools and financial reporting practices to present cost and management accounting data clearly and concisely.

PSO6: Critical Thinking and Ethical Decision-Making: Develop critical thinking skills to analyze complex financial data, understand the ethical implications of cost and management accounting practices, and make sound decisions that contribute to organizational success while adhering to professional and ethical standards.

PSO7: Observation and Problem Identification: Cultivate strong observation skills through field experiences to identify local communities' socio-economic issues and business challenges, informing cost and management accounting solutions.

PSO8: Understanding Human Behavior in Business: Gain insights into human perception and behavior within business contexts to improve cost management and resource allocation decision-making.

PSO9: Sustainable Business Practices: Advocate for empathetic social and economic responsibility, champion equity-centered approaches in business development, and actively engage as future business leaders who promote sustainable practices. By doing so, you're not just benefiting your organization, but also making a positive impact on the community and the world at large.

PSO10: Management Skills for Cost Control: Develop a comprehensive understanding of management principles and their application to cost control strategies within organizations, functioning effectively as individuals and in collaborative teams.

PSO11: Professional Ethics and Integrity: Uphold high ethical standards by recognizing diverse value systems, considering the moral implications of cost and management accounting decisions, and taking responsibility for actions in both personal and professional life.

PSO12: Business Ethics and Sustainability Integration: Integrate an understanding of the societal and ethical impact of cost and management accounting practices, actively promoting sustainable business development strategies.

PSO13: Problem Detection and Business Sustainability: Utilize problem-solving skills to identify critical financial issues and spatial challenges that impact business sustainability, developing strategies to mitigate these risks.

Anekant Education Society's
Tuljaram Chaturchand College, Baramati
(Autonomous)

**Board of Studies (BOS) in Cost and
Management Accounting**

From 2022-23 To 2024-25

Sr. No.	Name of Member	Designation
1.	Dr. Vivek A. Bale, Assistant Professor, Department of Commerce, T. C. College, Baramati.	Chairman
2.	Dr. Niranjana R. Shah Dean and Assistant Professor, Department of Commerce, T. C. College, Baramati	Internal Member
3	Dr. J. K. Pawar Member and HOD, Department of Commerce, T. C. College, Baramati	Internal Member
3.	Dr. Megha Badve Assistant Professor, Department of Commerce, T. C. College, Baramati	Internal Member
4.	Dr. Dinesh Gore Assistant Professor, Department of Commerce, T. C. College, Baramati	Internal Member
5.	Ms. Shweta Borawake Assistant Professor, Department of Commerce, T. C. College, Baramati	Internal Member
6.	Dr. Subhash Wavhal Vice Principal & Assistant Professor, Department of Commerce, PDEA's Waghire College of Arts, Commerce and Science, Saswad, Tal-Purandar, Pune-412301	External Member Vice-Chancellor Nominee
7.	Dr. Kalyani Sandip Nazare Assistant Professor, Department of Commerce, Gokhale Education Society's, Arts, Commerce, Science College, Shrivardhan, Dist-Raigad-402110 Mumbai University	External Member from other University
8.	Lt Dr. G.Ranganatham Associate Professor, Dept. of Commerce, Govt College Autonomous, Ananthapur, Andhra Pradesh	External Member from other University
9.	CMA Anuradha Makarand Dhavalikar #2 B Building, Vishwas Nagar, Gunawadi Road, Baramati	Industry Expert
10.	Mrs. Bhagyashri Madhukar Wable	Meritorious Alumni
11.	Mr. Harshwardhan Mane	UG Student
12.	Ms. Vanita Gambhire	UG Student
13.	Mr. Gaurav S. Mhase	PG Student

**Credit Distribution Structure for Three/Four Year Honours/Honours with Research Degree Programme
With Multiple Entry and Exit options as per National Education Policy (2024 Pattern as per NEP-2020)**

Level/ Difficulty	Sem	Subject DSC-1				Subject DSC-2	Subject DSC-3	GE/OE	SEC	IKS	AEC	VEC	CC	Total
4.5/100	I	4(T)				4(T)	4(T)	2(T)	2 (T)	2(T) (Generic)	2(T)	2(T)	--	22
	II	4(T)				4(T)	4(T)	2(T)	2 (T)	--	2(T)	2(T)	2(T)	22
Exit option: Award of UG Certificate in Major with 44 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major and Minor Continue option: Student will select one subject among the (subject 1, subject 2 and subject 3) as major and other as minor and third subject will be dropped.														
Level/ Difficulty	Sem	Credits Related to Major				Minor	--	GE/OE	SEC	IKS	AEC	VEC	CC	Total
		Major Core	Major Elective	VSC	FP/OJT/CE P/RP									
5.0/200	III	6(T)	--	2 (T)	2(FP)	4(T)	--	2(T)	--	2(T)	--	2(T)	22	
	IV	6(T)	--	2 (T)	2(CEP)	4(T)	--	2(T)	2 (T)	--	2(T)	--	2(T)	22
Exit option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4credits core NSQF course/Internship OR Continue with Major and Minor														
5.5/300	V	12(T)	4(T)	2 (T)	2(FP/CEP)	2(T)	--	--	--	--	--	--	22	
	VI	12(T)	4(T)	2 (T)	4 (OJT)	--	--	--	--	--	--	--	22	
Total 3Years		44	8	8	10	18	8	8	6	4	8	4	6	132
Exit option: Award of UG Degree in Major with 132 credits OR Continue with Major and Minor														
6.0/400	VII	10 (T)	4(T)	--	4(RP)	4(RM)(T)	--	--	--	--	--	--	22	
	VIII	10 (T)	4(T)	--	6(RP)	--	--	--	--	--	--	--	22	
Total 4Years		64	16	8	22	22	8	8	6	4	8	4	6	176
Four Year UG Honours with Research Degree in Major and Minor with 176 credits														
6.0/400	VII	10 (T)	4(T)	--	--	4(RM) (T)	--	--	--	--	--	--	22	
	VIII	10 (T)	4(T)	--	4 (OJT)	--	--	--	--	--	--	--	22	
Total 4Years		72	16	8	14	22	8	8	6	4	8	4	6	176
Four Year UG Honours Degree in Major and Minor with 176 credits														
T = Theory P = Practical DSC = Discipline Specific Course OE = Open Elective SEC = Skill Enhancement Course IKS = Indian Knowledge System AEC = Ability Enhancement Course VEC = Value Education Course CC = Co-curricular Course VSC= Vocational Skill Course OJT= On Job Training CEP= Community Engagement Project FP= Field Project RP= Research Project														

F.Y.B.COM. Cost and Management Accounting
NEP-2.0

Course Structure for F.Y.B.Com Sem I (NEP 2.0 2024 Pattern)

Sem	Course Type	Course Code	Course Name	Theory / Practical	Credits
I	DSC 1	ACC-101-GEN	Financial Accounting I	Theory	04
	DSC 2	MKT-101-GEN	Principles of Marketing	Theory	04
		ADM-101-GEN	Basics of Business Administration	Theory	04
	DSC 3	STA-101-GEN	Business Statistics I	Theory	04
		ECO-101-GEN	Banking and Finance	Theory	04
		CMA-101-GEN	Cost Accounting I	Theory	04
	Open Elective (OE)	MKT-102-OE	Introduction to Entrepreneurship	Theory	02
	Skill Enhancement Courses (SEC)	ACC-103-SEC	Financial Accounting I (Practical)	Theory	02
		MKT-103-SEC	Marketing Management I (Practical)	Theory	02
		STA-103-SEC	Business Statistics I (Practical)	Theory	02
		ECO-103-SEC	Banking and Finance I (Practical)	Theory	02
		ADM-103-SEC	Business Administration I (Practical)	Theory	02
		CMA-103-SEC	Cost Accounting I (Practical)	Theory	02
	Ability Enhancement Course (AEC)	ENG-104-AEC	AEC1 (English)	Theory	02
	Value Education Course (VEC)	ENV-105-VEC	Environmental Science	Theory	02
Indian Knowledge System (IKS)	GEN-106-IKS	Generic IKS1	Theory	02	
Total Credits Semester-I					22

Course Structure for F.Y.B.Com Sem II (NEP 2.0 2024 Pattern)

Sem	Course Type	Course Code	Course Name	Theory / Practical	Credits
II	DSC 1	ACC-151-GEN	Financial Accounting II	Theory	04
	DSC 2	MKT-151-GEN	Consumer Protection and Business Ethics	Theory	04
		ADM-151-GEN	Principles of Business Administration	Theory	04
	DSC 3	STA-151-GEN	Business Statistics II	Theory	04
		ECO-151-GEN	Banking and Finance	Theory	04
		CMA-151-GEN	Cost Accounting II	Theory	04
	Open Elective (OE)	MKT-152-OE	Entrepreneurship Development I	Theory	02
	Skill Enhancement Courses (SEC)	ACC-153-SEC	Financial Accounting II (Practical)	Theory	02
		MKT-153-SEC	Marketing Management II (Practical)	Theory	02
		STA-153-SEC	Business Statistics II (Practical)	Theory	02
		ECO-153-SEC	Banking and Finance II (Practical)	Theory	02
		ADM-153-SEC	Business Administration II (Practical)	Theory	02
		CMA-153-SEC	Cost Accounting II (Practical)	Theory	02
	Ability Enhancement Course (AEC)	ENG-154-AEC	AEC2 (English)	Theory	02
	Value Education Course (VEC)	COS-155-VEC	Constitution of India	Theory	02
	Co-curricular Course (CC)	YOG/PES/CUL/NSS/NC C-156-CC	NSS/NCC/Physical Education/Cultural/Yoga	Theory	02
Total Credits Semester-II					22

**CBCS Syllabus as per NEP 2020 for F.Y.B.COM Cost and Management
Accounting
(2024 Pattern)**

Name of the Programme	: B.COM Cost and Management Accounting
Programme Code	: UCCO
Class	: F.Y.B.COM
Semester	: I
Course Type	: DSC-III (General) (Theory)
Course Code	: CMA-101-GEN
Course Title	: Cost Accounting I
No. of Credits	: 04
No. of Teaching Hours	: 60

Course Objectives:

1. To understand the foundational concepts, objectives, nature, and significance of cost accounting.
2. To differentiate between financial accounting and cost accounting and analyze their respective roles.
3. To comprehend the concept of cost, costing techniques, and the role of cost accounting in decision-making.
4. To explore the career opportunities and responsibilities of a Cost and Works Accountant in cost and management accounting.
5. To analyze the cost elements, including material, labour, and overheads, and their significance in cost management.
6. To classify costs into fixed, variable, semi-variable, direct, indirect, product, period, controllable, and uncontrollable costs and understand their implications.
7. To understand the preparation of cost sheets, estimates, tenders, and quotations and solve related numerical problems.

Course Outcomes:

By the end of the course, students will be able to:

- CO1.** Describe and explain the foundational concepts, objectives, and significance of cost accounting in business operations.
- CO2.** Differentiate between financial accounting and cost accounting, and evaluate their roles in financial management and decision-making.
- CO3.** Apply costing techniques to determine and analyze various types of costs, aiding in effective cost control and management.
- CO4.** Evaluate career opportunities and roles of Cost and Works Accountants in managing costs and enhancing organizational profitability.
- CO5.** Analyze and classify different elements of cost, such as material, labour, and overheads, to facilitate accurate cost estimation and pricing strategies.
- CO6.** Classify costs according to their behavior and relevance and apply these classifications in budgeting and performance evaluation.
- CO7.** Prepare comprehensive cost sheets, estimates, tenders, and quotations and solve numerical problems related to cost accounting methodologies.

Topics and Learning Points

Unit No.	Cost Accounting: Foundations and Professional Scope	Teaching Hours
1	1.1 Definition, Scope, Objectives, Nature, and Significance of Cost Accounting 1.2 Difference between Financial Accounting and Cost Accounting 1.3 Concept of Cost, Costing, Cost Accounting, and Cost Accountancy 1.4 Role of Cost and Management Accountant and Career Opportunities in Cost and Management Accounting	12
2	Basics of Cost and Management Accounting 2.1 Elements of Cost: Material, Labour, and Expenses (Overheads) 2.2 Classification of Cost: Fixed, Variable, and Semi-Variable Costs, Direct and Indirect Costs, Product and Period Costs, Controllable and Uncontrollable Costs, Relevant and Irrelevant Costs 2.3 Cost Unit, Cost Center, Profit Center, Responsibility Center, Investment Center	18
3	Cost Sheet 3.1 Preparation of Cost Sheet 3.1.1 Cost Items and Non-Cost Items 3.1.2 Proforma of Cost Sheet 3.2 Preparation of Cost Sheet with Adjustments and Problems Thereon 3.3 Estimate: Meaning, Significance, Preparation of Estimates and Problems Thereon 3.3.1 Tender and Quotation: Meaning, Difference between Tender and Quotation	18
4	Material Accounting 4.1 Introduction to “Material Cost” (CAS-6): Objective, Requisites, and Importance 4.1.1 Cost Accounting Standards-6: Material Cost Overview and Compliance 4.1.2 Objectives of Material Costing 4.1.3 Requisites for Effective Material Cost Management 4.1.4 Importance of Material Costing 4.2 Purchase Procedure and Purchase Documents 4.2.1 Steps in Purchase Procedure 4.3 Material Storage: Store Location and Layout 4.4 Classification and Codification of Material 4.4.1 Methods and Benefits of Classification 4.4.2 Codification Techniques 4.5 Stores and Material Records - Bin Card & Store Ledger 4.6 Issue of Material and Pricing Methods 4.6.1 First in First Out (FIFO), Last in First Out (LIFO), Simple Average, and Weighted Average Methods - Numerical Problems	12

References:

Sr. No	Title of Book	Authors	Publisher	Place
1	Cost Accounting: Principles and Practices	Jawahar Lal & Seema Shrivastava	Tata McGraw Hill	New Delhi
2	Advanced Cost Accounting and Cost Systems	Ravi M Kishor	Taxman	New Delhi
3	Cost Accounting Theory and Problems	S. N. Maheshwari	Mittal Shree Mahavir Book Depot	New Delhi
4	Advanced Cost Accounting	Jain and Narang	Kalyani Publishers	New Delhi
5	Horngrren's Cost Accounting	Srikant M Datar & Kapil Goyal	Pearson Education	Noida
6	Cost Accounting: Principles and Practices	Jawahar Lal & Seema Shrivastava	Tata McGraw Hill	New Delhi
7	Advanced Cost Accounting and Cost Systems	Ravi M Kishor	Taxman	New Delhi
8	Cost Accounting Theory and Problems	S. N. Maheshwari	Mittal Shree Mahavir Book Depot	New Delhi
9	Advanced Cost Accounting	Jain and Narang	Kalyani Publishers	New Delhi
10	Tandon's Cost Accounting	P.C. Tandon	Tata McGraw Hill	New Delhi
11	Cost and Management Accounting for CA Intermediate (Group I)	Tulsian P.C. & Tulsian S.P.	Tulsian Publishers	Noida
12	Cost Accounting (For CA-IPCC & B.Com. Hons.)	Tulsian P.C.	Tulsian Publishers	Noida
13	Cost Accounting	R.L. Gupta	Sultan Chand & Sons	New Delhi
14	Cost Accounting: Text and Problems	M.P. Gupta	Kalyani Publishers	New Delhi
15	Cost Accounting for Management	S.P. Gupta & P.K. Gupta	Sultan Chand & Sons	New Delhi
16	YouTube Channels	Accounting Stuff	Check out Mark Frigo's YouTube channel for clear explanations of accounting concepts, including cost accounting principles and practical applications.	Accounting Stuff YouTube Channel
17	YouTube Channels	Farhat Lectures	CA Farhat Hussain's YouTube channel offers video lectures on	Farhat Lectures YouTube

			accounting topics, including cost elements.	Channel [invalid URL removed]
18	YouTube Channels	Corporate Finance Institute (CFI)	YouTube channel by the Corporate Finance Institute (CFI) offers educational resources on various financial topics, including cost accounting concepts and practical applications for business professionals.	Corporate Finance Institute (CFI) YouTube Channel
19	YouTube Channels	econtent vb	Vivek Bale's YouTube channel offers lectures and tutorials on commerce and accounting topics, including accounting fundamentals and specific cost elements.	https://www.youtube.com/@econtentvb3244
20	Journals	The Chartered Accountant (ICAI)	Journal published by the Institute of Chartered Accountants of India (ICAI), covering various accounting topics including cost accounting, relevant for Indian students pursuing CA certification.	The Chartered Accountant (ICAI) https://icai.org/category/e-journal
21	Journals	Vikalpa	Renowned peer-reviewed journal published by the Indian Institute of Management Ahmedabad (IIMA), focusing on management research in India, potentially including cost accounting research with an Indian context.	Vikalpa https://journals.sagepub.com/home/VIK

Choice Based Credit System Syllabus (2024 Pattern)

(As Per NEP 2020)

Mapping of Program Outcomes with Course Outcomes

Class: F.Y.B.Com (Sem I)

Subject: Cost Accounting -I

Course: DSC-III (General) (Theory)

Course Code: CMA-101-GEN

Weightage: 1= weak or low relation, 2= moderate or partial relation, 3= strong or direct relation

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15
CO 1	3	2	2	1	2	2	2	1	2	1	1	1	1	2	2
CO 2	2	3	3	1	3	2	2	1	2	2	2	2	1	3	2
CO 3	2	3	3	1	3	2	2	1	2	2	2	2	1	3	2
CO 4	2	2	2	2	2	3	2	2	2	2	2	2	1	3	2
CO 5	2	3	3	1	3	2	2	1	2	2	2	2	1	3	3
CO 6	2	3	3	1	3	3	2	1	2	3	2	2	1	3	2
CO 7	2	3	3	2	3	3	3	1	2	3	2	3	3	3	2

Justification for the mapping

PO1: A Fundamental Knowledge and Coherent Understanding

CO1: Strong - Essential for acquiring broad multidisciplinary knowledge.

CO2: Moderate - Enhances understanding of financial management.

CO3: Moderate - Requires understanding of different costing techniques.

CO4: Moderate - Relates to career roles in the field.

CO5: Moderate - Understanding cost elements aids in broad knowledge.

CO6: Moderate - Knowledge of cost classifications is fundamental.

CO7: Moderate - Preparation of cost sheets and estimates is foundational.

PO2: Procedural Knowledge for Skill Enhancement

CO1: Moderate - Explains fundamental concepts.

CO2: Strong - Differentiates financial and cost accounting procedures.

CO3: Strong - Application of costing techniques.

CO4: Moderate - Knowledge about career roles.

CO5: Strong - Classification and analysis of cost elements.

CO6: Strong - Classification of costs according to behavior.

CO7: Strong - Preparation of cost-related documents.

PO3: Critical Thinking and Problem-Solving Skills

CO1: Moderate - Explains fundamental concepts.

CO2: Strong - Enhances decision-making skills.

CO3: Strong - Application of techniques in problem-solving.

CO4: Moderate - Evaluates career opportunities.

CO5: Strong - Classification and analysis of cost elements.

CO6: Strong - Classification of costs according to behavior.

CO7: Strong - Solving numerical problems.

PO4: Communication Skills

CO1: Weak - Limited direct relation.

CO2: Weak - Limited direct relation.

CO3: Weak - Limited direct relation.

CO4: Moderate - Effective communication in professional roles.

CO5: Weak - Limited direct relation.

CO6: Weak - Limited direct relation.

CO7: Moderate - Requires communication skills for document preparation.

PO5: Analytical Reasoning Skills

CO1: Moderate - Fundamental for analytical understanding.

CO2: Strong - Differentiation enhances analytical skills.

CO3: Strong - Techniques require analytical reasoning.

CO4: Moderate - Evaluating roles involves analysis.

CO5: Strong - Detailed analysis of cost elements.

CO6: Strong - Analytical classification of costs.

CO7: Strong - Analysis involved in document preparation.

PO6: Innovation, Employability, and Entrepreneurial Skills

CO1: Moderate - Understanding concepts aids employability.

CO2: Moderate - Enhances skills relevant to employment.

CO3: Moderate - Techniques aid in innovative problem-solving.

CO4: Strong - Career roles relate to employability.

CO5: Moderate - Analytical skills enhance employability.

CO6: Strong - Classification aids in entrepreneurial skills.

CO7: Strong - Preparation of documents enhances employability.

PO7: Multidisciplinary Competence

CO1: Moderate - Basic understanding aids in competence.

CO2: Moderate - Understanding different accounting fields.

CO3: Moderate - Techniques applicable across disciplines.

CO4: Moderate - Knowledge of career roles.

CO5: Moderate - Analysis aids in multidisciplinary competence.

CO6: Moderate - Classification aids in understanding multiple disciplines.

CO7: Strong - Preparation of documents enhances multidisciplinary understanding.

PO8: Value Inculcation through Community Engagement

CO1: Weak - Limited direct relation.

CO2: Weak - Limited direct relation.

CO3: Weak - Limited direct relation.

CO4: Moderate - Career roles may involve community engagement.

CO5: Weak - Limited direct relation.

CO6: Weak - Limited direct relation.

CO7: Weak - Limited direct relation.

PO9: Traditional Knowledge into Modern Application

CO1: Moderate - Concepts relate to traditional knowledge.

CO2: Moderate - Differentiation involves traditional vs. modern techniques.

CO3: Moderate - Techniques may involve traditional methods.

CO4: Moderate - Roles involve modern application of traditional knowledge.

CO5: Moderate - Analysis may use traditional methods.

CO6: Moderate - Classification involves traditional knowledge.

CO7: Moderate - Preparation of documents involves traditional knowledge.

PO10: Design and Development of System

CO1: Weak - Limited direct relation.

CO2: Moderate - Differentiation involves system development.

CO3: Moderate - Techniques aid in system design.

CO4: Moderate - Roles may involve system development.

- CO5: Moderate - Analysis involves system design.
- CO6: Strong - Classification aids in system development.
- CO7: Strong - Preparation of documents involves system design.

PO11: Ethical and Social Responsibility

- CO1: Weak - Limited direct relation.
- CO2: Moderate - Differentiation involves ethical understanding.
- CO3: Moderate - Techniques involve ethical considerations.
- CO4: Moderate - Roles may involve ethical responsibility.
- CO5: Moderate - Analysis involves ethical considerations.
- CO6: Moderate - Classification involves ethical considerations.
- CO7: Moderate - Preparation involves ethical considerations.

PO12: Research-Related Skills

- CO1: Weak - Limited direct relation.
- CO2: Moderate - Differentiation involves research skills.
- CO3: Moderate - Techniques involve research.
- CO4: Moderate - Roles involve research skills.
- CO5: Moderate - Analysis involves research.
- CO6: Moderate - Classification involves research.
- CO7: Strong - Preparation involves research.

PO13: Teamwork

- CO1: Weak - Limited direct relation.
- CO2: Weak - Limited direct relation.
- CO3: Weak - Limited direct relation.
- CO4: Weak - Limited direct relation.
- CO5: Weak - Limited direct relation.
- CO6: Weak - Limited direct relation.
- CO7: Strong - Preparation of comprehensive cost sheets and estimates requires collaboration, promoting effective teamwork.

PO14: Area Specific Expertise

- CO1: Moderate - Foundational concepts enhance expertise.
- CO2: Strong - Differentiation of accounting fields builds expertise.
- CO3: Strong - Costing techniques are specific to accounting expertise.
- CO4: Strong - Understanding career roles enhances area expertise.
- CO5: Strong - Analyzing cost elements like materials, labor, and overheads is vital for expertise in accurate cost estimation.
- CO6: Strong - Classification of costs according to behavior enhances budgeting and performance evaluation expertise.
- CO7: Strong - Preparation of documents is vital for specific expertise.

PO15: Environmental Awareness

- CO1: Moderate - Understanding foundational concepts includes recognizing the impact of cost accounting on environmental sustainability.
- CO2: Moderate - Differentiation between financial and cost accounting can involve understanding the environmental impacts of financial decisions.
- CO3: Moderate - Applying costing techniques may include analyzing environmental costs.
- CO4: Moderate - Roles of Cost and Works Accountants can involve managing environmental considerations.
- CO5: Strong - Analyzing cost elements includes evaluating environmental impacts on material, labor, and overhead costs.
- CO6: Moderate - Classification of costs according to behavior can include environmental impact considerations.
- CO7: Moderate - Preparing cost sheets, estimates, tenders, and quotations involves considering environmental costs.

**CBCS Syllabus as per NEP 2020 for F.Y.B.COM Cost and Management Accounting
(2024 Pattern)**

Name of the Programme	: B.COM. Cost and Management Accounting
Programme Code	: UCCO
Class	: F.Y.B.COM.
Semester	: I
Course Type	: DSC-III (SEC) (Practical)
Course Code	: CMA-103-SEC
Course Title	: Cost Accounting I (Practical)
No. of Credits	: 02
No. of Teaching Hours	: 30

Course Objectives:

1. To understand the foundational concepts, objectives, nature, and significance of cost accounting in business operations.
2. To differentiate between financial accounting and cost accounting, analyzing their respective roles in financial management and decision-making.
3. To comprehend the concept of cost, costing techniques, and their role in effective cost control and management.
4. To explore the career opportunities and responsibilities of a Cost and Works Accountant in cost and management accounting.
5. To analyze the cost elements, including material, labor, and overheads, and their significance in cost management.
6. To classify costs into fixed, variable, semi-variable, direct, indirect, product, period, controllable, and uncontrollable costs, understanding their implications.
7. To understand the preparation of cost sheets, estimates, tenders, and quotations and solve related numerical problems.

Course Outcomes:

By the end of the course, students will be able to:

- CO1:** Foundational Knowledge: Describe and explain the foundational concepts, objectives, and significance of cost accounting in business operations.
- CO2:** Financial vs. Cost Accounting: Differentiate between financial accounting and cost accounting, and evaluate their roles in financial management and decision-making.
- CO3:** Costing Techniques and Control: Apply costing techniques to determine and analyze various types of costs, aiding in effective cost control and management.
- CO4:** Career Path: Evaluate career opportunities and roles of Cost and Works Accountants in managing costs and enhancing organizational profitability.
- CO5:** Cost Element Analysis: Analyze and classify different elements of cost, such as

material, labor, and overheads, to facilitate accurate cost estimation and pricing strategies.

CO6: Cost Behavior and Classification: Classify costs according to their behavior and relevance and apply these classifications in budgeting and performance evaluation.

CO7: Cost Management Applications: Prepare comprehensive cost sheets, estimates, tenders, and quotations and solve numerical problems related to cost accounting methodologies.

Topics and Learning Points

UNIT 1: Fundamentals of Cost Accounting	Teaching Hours
1.1 Concept of Cost	10
1.2 Types of Cost	
1.3 Items Excluded from Cost	
1.4 Limitations of Financial Accounting	
1.5 Objectives and Importance of Cost Accounting	
1.6 Relationship between Cost Accounting Financial Accounting and Management Accounting	
1.7 Costing vs. Cost Accounting vs. Cost Accountancy	
Unit 2. Framework for Cost Analysis	10
2.1 Classification of Cost	
2.2 Elements of Cost: Material, labour and other Expenses	
2.3 Cost Objects, Cost Units, Cost Centers	
2.4 Role of a Cost Accountant	
2.5 Introduction to Cost Accounting Standards (CAS)	
Unit 3. Cost Management Tools and Techniques	10
3.1 Cost Sheet- Meaning, Definition-Preparation of Cost Sheet	
3.2 Preparation of Tenders (including E-Tenders) Quotations, Estimates	

References:

Sr. No	Title of Book	Authors	Publisher	Place
1	Cost Accounting: Principles and Practices	Jawahar Lal & Seema Shrivastava	Tata McGraw Hill	New Delhi
2	Advanced Cost Accounting and Cost Systems	Ravi M Kishor	Taxman	New Delhi
3	Cost Accounting Theory and Problems	S. N. Maheshwari	Mittal Shree Mahavir Book Depot	New Delhi
4	Advanced Cost Accounting	Jain and Narang	Kalyani Publishers	New Delhi
5	Horngren's Cost Accounting	Srikant M Datar & Kapil Goyal	Pearson Education	Noida
6	Cost Accounting: Principles and Practices	Jawahar Lal & Seema Shrivastava	Tata McGraw Hill	New Delhi
7	Advanced Cost Accounting and Cost Systems	Ravi M Kishor	Taxman	New Delhi
8	Cost Accounting Theory and Problems	S. N. Maheshwari	Mittal Shree Mahavir Book Depot	New Delhi

Choice Based Credit System Syllabus (2024 Pattern)

(As Per NEP 2020)

Mapping of Program Outcomes with Course Outcomes

Class: F.Y.B.Com (Sem I)

Subject: Cost Accounting -I

Course: DSC-III (SEC) (Practical)

Course Code: CMA-103-SEC

Weightage: 1= weak or low relation, 2= moderate or partial relation, 3= strong or direct relation

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15
CO 1	3	2	2	1	2	2	2	1	2	1	1	1	1	2	2
CO 2	2	3	3	1	3	2	2	1	2	2	2	2	1	3	2
CO 3	2	3	3	1	3	2	2	1	2	2	2	2	1	3	2
CO 4	2	2	2	2	2	3	2	2	2	2	2	2	1	3	2
CO 5	2	3	3	1	3	2	2	1	2	2	2	2	1	3	3
CO 6	2	3	3	1	3	3	2	1	2	2	2	2	1	3	2
CO 7	2	3	3	2	3	3	3	1	2	3	2	3	3	3	2

Justification for the mapping

PO1: A Fundamental Knowledge and Coherent Understanding

CO1: Strong - Essential for acquiring broad multidisciplinary knowledge.

CO2: Moderate - Enhances understanding of financial management.

CO3: Moderate - Requires understanding of different costing techniques.

CO4: Moderate - Relates to career roles in the field.

CO5: Moderate - Understanding cost elements aids in broad knowledge.

CO6: Moderate - Knowledge of cost classifications is fundamental.

CO7: Moderate - Preparation of cost sheets and estimates is foundational.

PO2: Procedural Knowledge for Skill Enhancement

CO1: Moderate - Explains fundamental concepts.

CO2: Strong - Differentiates financial and cost accounting procedures.

CO3: Strong - Application of costing techniques.

CO4: Moderate - Knowledge about career roles.

CO5: Strong - Classification and analysis of cost elements.

CO6: Strong - Classification of costs according to behavior.

CO7: Strong - Preparation of cost-related documents.

PO3: Critical Thinking and Problem-Solving Skills

CO1: Moderate - Explains fundamental concepts.

CO2: Strong - Enhances decision-making skills.

CO3: Strong - Application of techniques in problem-solving.

CO4: Moderate - Evaluates career opportunities.

CO5: Strong - Classification and analysis of cost elements.

CO6: Strong - Classification of costs according to behavior.

CO7: Strong - Solving numerical problems.

PO4: Communication Skills

CO1: Weak - Limited direct relation.

CO2: Weak - Limited direct relation.

CO3: Weak - Limited direct relation.

CO4: Moderate - Effective communication in professional roles.

CO5: Weak - Limited direct relation.

CO6: Weak - Limited direct relation.

CO7: Moderate - Requires communication skills for document preparation.

PO5: Analytical Reasoning Skills

CO1: Moderate - Fundamental for analytical understanding.

CO2: Strong - Differentiation enhances analytical skills.

CO3: Strong - Techniques require analytical reasoning.

CO4: Moderate - Evaluating roles involves analysis.

CO5: Strong - Detailed analysis of cost elements.

CO6: Strong - Analytical classification of costs.

CO7: Strong - Analysis involved in document preparation.

PO6: Innovation, Employability, and Entrepreneurial Skills

CO1: Moderate - Understanding concepts aids employability.

CO2: Moderate - Enhances skills relevant to employment.

CO3: Moderate - Techniques aid in innovative problem-solving.

CO4: Strong - Career roles relate to employability.

CO5: Moderate - Analytical skills enhance employability.

CO6: Strong - Classification aids in entrepreneurial skills.

CO7: Strong - Preparation of documents enhances employability.

PO7: Multidisciplinary Competence

CO1: Moderate - Basic understanding aids in competence.

CO2: Moderate - Understanding different accounting fields.

CO3: Moderate - Techniques applicable across disciplines.

CO4: Moderate - Knowledge of career roles.

CO5: Moderate - Analysis aids in multidisciplinary competence.

CO6: Moderate - Classification aids in understanding multiple disciplines.

CO7: Strong - Preparation of documents enhances multidisciplinary understanding.

PO8: Value Inculcation through Community Engagement

CO1: Weak - Limited direct relation.

CO2: Weak - Limited direct relation.

CO3: Weak - Limited direct relation.

CO4: Moderate - Career roles may involve community engagement.

CO5: Weak - Limited direct relation.

CO6: Weak - Limited direct relation.

CO7: Weak - Limited direct relation.

PO9: Traditional Knowledge into Modern Application

CO1: Moderate - Concepts relate to traditional knowledge.

CO2: Moderate - Differentiation involves traditional vs. modern techniques.

CO3: Moderate - Techniques may involve traditional methods.

CO4: Moderate - Roles involve modern application of traditional knowledge.

CO5: Moderate - Analysis may use traditional methods.

CO6: Moderate - Classification involves traditional knowledge.

CO7: Moderate - Preparation of documents involves traditional knowledge.

PO10: Design and Development of System

CO1: Weak - Limited direct relation.

CO2: Moderate - Differentiation involves system development.

CO3: Moderate - Techniques aid in system design.

CO4: Moderate - Roles may involve system development.

CO5: Moderate - Analysis involves system design.

CO6: Strong - Classification aids in system development.

CO7: Strong - Preparation of documents involves system design.

PO11: Ethical and Social Responsibility

CO1: Weak - Limited direct relation.

CO2: Moderate - Differentiation involves ethical understanding.

CO3: Moderate - Techniques involve ethical considerations.

CO4: Moderate - Roles may involve ethical responsibility.

CO5: Moderate - Analysis involves ethical considerations.

CO6: Moderate - Classification involves ethical considerations.

CO7: Moderate - Preparation involves ethical considerations.

PO12: Research-Related Skills

CO1: Weak - Limited direct relation.

CO2: Moderate - Differentiation involves research skills.

CO3: Moderate - Techniques involve research.

CO4: Moderate - Roles involve research skills.

CO5: Moderate - Analysis involves research.

CO6: Moderate - Classification involves research.

CO7: Strong - Preparation involves research.

PO13: Teamwork

CO1: Weak - Limited direct relation.

CO2: Weak - Limited direct relation.

CO3: Weak - Limited direct relation.

CO4: Weak - Limited direct relation.

CO5: Weak - Limited direct relation.

CO6: Weak - Limited direct relation.

CO7: Strong - Preparation of comprehensive cost sheets and estimates requires collaboration, promoting effective teamwork.

PO14: Area Specific Expertise

CO1: Moderate - Foundational concepts enhance expertise.

CO2: Strong - Differentiation of accounting fields builds expertise.

CO3: Strong - Costing techniques are specific to accounting expertise.

CO4: Strong - Understanding career roles enhances area expertise.

CO5: Strong - Analyzing cost elements like materials, labor, and overheads is vital for expertise in accurate cost estimation.

CO6: Strong - Classification of costs according to behavior enhances budgeting and performance evaluation expertise.

CO7: Strong - Preparation of documents is vital for specific expertise.

PO15: Environmental Awareness

CO1: Moderate - Understanding foundational concepts includes recognizing the impact of cost accounting on environmental sustainability.

CO2: Moderate - Differentiation between financial and cost accounting can involve understanding the environmental impacts of financial decisions.

CO3: Moderate - Applying costing techniques may include analyzing environmental costs.

CO4: Moderate - Roles of Cost and Works Accountants can involve managing environmental considerations.

CO5: Strong - Analyzing cost elements includes evaluating environmental impacts on material, labor, and overhead costs.

CO6: Moderate - Classification of costs according to behavior can include environmental impact considerations.

CO7: Moderate - Preparing cost sheets, estimates, tenders, and quotations involves considering environmental costs.

**CBCS Syllabus as per NEP 2020 for F.Y.B.COM Cost and Management
Accounting
(2024 Pattern)**

Name of the Programme	: B.Com Cost and Management Accounting
Programme Code	: UCCO
Class	: F.Y.B.COM.
Semester	: II
Course Type	: DSC-III (General) (Theory)
Course Code	: CMA-151-GEN
Course Title	: Cost Accounting II
No. of Credits	: 04
No. of Teaching Hours	: 60

Course Objectives:

1. Understand the fundamental concepts, definitions, and objectives of inventory management.
2. Analyze and apply various methods of inventory control, including stock level management, EOQ, ABC analysis, physical verification, and perpetual and periodic inventory control.
3. Calculate and interpret the inventory turnover ratio to evaluate the efficiency of inventory management.
4. Explore different records and methods of timekeeping, as well as study new time booking methods.
5. Evaluate methods of remuneration such as time rate system, piece rate system, and Taylor's Differential Piece Rate System.
6. Examine incentive plans including the Halsay Premium Plan and the Rowan Premium Plan.
7. Understand the concepts of labor turnover, job analysis, job evaluation, merit rating, direct cost, and their significance in organizational management.

Course Outcomes:

By the end of the course, students will be able to:

- CO 1** Develop proficiency in analyzing and managing inventory levels effectively, leading to improved operational efficiency.
- CO 2** Apply various inventory control methods to optimize stock levels and minimize holding costs.
- CO 3** Interpret and utilize the inventory turnover ratio as a key performance indicator for inventory management.
- CO 4** Demonstrate competence in recording and managing employee time effectively through different methods of timekeeping.
- CO 5** Evaluate and recommend appropriate methods of remuneration based on organizational requirements and employee performance.
- CO 6** Design and implement incentive plans that align with organizational goals and motivate employees effectively.
- CO 7** Assess labour turnover causes, implement job analysis and job evaluation techniques, and apply merit rating systems to enhance organizational performance and employee satisfaction.

Topics and Learning Points

	Teaching Hours
UNIT 1 : INVENTORY CONTROL	20
1.1 Meaning, Definition, objectives	
1.2 Methods of Inventory Control	
a. Stock levels	
b. EOQ	
c. ABC Analysis	
d. Physical Verification	
e. Perpetual and periodic inventory control	
1.3 Inventory Turnover Ratio	
UNIT 2: LABOUR COST, REMUNERATION, AND INCENTIVES	20
2.1 Records & Methods of Time Keeping and Time Booking Study of New Methods.	
2.2 Methods of Remuneration-	
a. Time Rate System,	
b. Piece Rate system,	
c. Taylor's Differential Piece Rate System.	
2.3 Incentive Plan	
a. Halsay Premium Plan.	
b. Rowan Premium Plan.	
UNIT 3 : Other Aspects of Labour	10
3.1 Labour Turnover- Meaning, Definition, Causes of Labour Turnover and Remedies	
3.2 Job Analysis & Job Evaluation.	
3.3 Merit Rating.	
UNIT 4 : Direct Cost and Introduction To JIT, CAM, and ERP	10
4.1 Direct Cost Concept and its accounting treatment	
4.2 Introduction to Just in Time(JIT), CAM(Computer Aided Manufacturing) and Enterprise Resource Planning (ERP)	

References:

Notes: The breakup of marks in the Examination will be as follows:

1. 50 % of the marks are assigned for Theory whereas the remaining 50 % of the total marks are allotted for Numerical Problems.
2. Numerical Problems will be of simple nature only.
3. Areas of numerical problems:
 - Stock Levels and Economic Order Quantity.
 - Methods Of Wage Payment and Incentive Plan.

Recommended Books :

1. S.P. Lyengar - Cost Accounting Principles and Practice, Sultan Chand , & Sons Accounting Taxman's, New Delhi.
2. M.N. Arora - Cost Accounting Principles and Practice Vikas Publishing House Pvt.Ltd. New Delhi.
3. S.N. Maheshwari and S.N.Mittal- Cost Accounting, Theory and Problems, Mahavir book Depot, New Delhi
4. B.L. Lall and G.L. Sharma - Theory and Techniques of CostAccounting. Himalaya Publishing House, New Delhi.
5. V.K. Saxena and Vashista - Cost Accounting – Textbook. Sultan Chand and Sons – New Delhi
6. V.K. Saxena and Vashista - Cost Audit and Management Audit.Sultan Chand and Sons – New Delhi
7. Jain and Narang - Cost Accounting Principles and Practice. Kalyani Publishers
8. N.K. Prasad - Principles and Practice of Cost Accounting Book Syndicate Pvt. Ltd.,Calcutta.
9. N.K. Prasad - Advanced Cost Accounting Syndicae Pvt Ltd., Calcutta.
10. R.K. Motwani - Practical Costing. Pointer Publisher,Jaipur
11. R.S.N. Pillai and V. Bhagavati - Cost Accounting.
12. Hornefrain and Datar - Cost Accounting and Managerial Emphasis.
13. Cost Accounting - Bhatta HSM, Himalaya Publication
14. Cost Accounting - Prabhu Dev, Himalaya Publication
15. Advanced Cost Accounting - Made Gowda, Himalaya Publication
16. Cost Accounting-Principles & Practices Jawahar Lal & Seema Shrivastava Tata Mcgraw Hill New Delhi
17. Advanced Cost Accounting And Cost Systems Ravi M Kishor: Taxmann New Delhi
18. Cost Accounting Theory And Problems S. N. Maheshwari Mittal Shree Mahavir Book Depot. New Delhi
19. Advanced Cost Accounting Jain and Narang Kalyani Publication New Delhi
20. Horngren's Cost Accounting-A Managerial Emphasis Srikant M Datar & Madhav V Rajan Pearson Noida Up
21. Cost Accounting-Principles & Practices Dr. M.N. Arora Vikas Publishing House, New Delhi
22. Advanced Cost Accounting Dr. D. M. Gujarathi Idol Publication Pune
23. Advanced Cost Accounting Dr. Kishor. M. Jagtap Tech-Max Publication Pune
24. Cost Accounting Principles And Practice Jain and Narang Kalyani Publication New Delhi
25. Principles and Practice of Cost Accounting N.K Prasad Booksyndicate Private Ltd Kolkata
26. Cost Accounting: Methods and Problems B.K.Bhar Academic Publications Kolkata

Journals -

1. Cost Accounting Standards - The ICWA of India, Calcutta
2. Management Accountant - The ICWA of India, Calcutta

Choice Based Credit System Syllabus (2024 Pattern)

(As Per NEP 2020)

Mapping of Program Outcomes with Course Outcomes

Class: F.Y.B.Com (Sem II)

Subject: Cost Accounting II

Course: DSC-III (General) (Theory)

Course Code: CMA-151-GEN

Weightage: 1= weak or low relation, 2= moderate or partial relation, 3= strong or direct relation

Course Outcomes	Program Outcomes														
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15
CO1	3	1													
CO2	2	1													
CO3	2	1	2		2										
CO4				2											
CO5					3										2
CO6						3			2	3		2	3	3	
CO7							3	1			2		2	3	3

Justification for the mapping

PO1: A Fundamental Knowledge and Coherent Understanding

CO1: Strong - Essential for acquiring broad multidisciplinary knowledge.

CO2: Moderate - Enhances procedural knowledge across subjects.

CO3: Moderate - Fosters critical thinking by analyzing performance indicators.

PO2: Procedural Knowledge for Skill Enhancement

CO1: Weak - Limited direct contribution to procedural knowledge enhancement.

CO2: Weak - Similar to CO1, limited direct contribution to procedural knowledge enhancement.

PO3: Critical Thinking and Problem-Solving Skills

CO3: Moderate - Involves critical thinking and problem-solving in data analysis.

PO4: Communication Skills

CO4: Moderate - Effective communication in recording employee time.

PO5: Analytical Reasoning Skills

CO3: Moderate - Requires analytical reasoning in interpreting data.

CO5: Strong - Analytical reasoning in assessing remuneration methods.

PO6: Innovation, Employability and Entrepreneurial Skills.

CO6: Strong - Requires innovation and entrepreneurial skills.

PO7: Multidisciplinary Competence

CO7: Strong - Enhances understanding of values across disciplines.

PO8: Value Inculcation through Community Engagement

CO7: Weak - Limited direct contribution to community engagement values.

PO9: Traditional Knowledge into Modern Application

CO6: Moderate - This may involve applying traditional knowledge in modern contexts.

PO10: Design and Development of System

CO6: Strong - Involves designing efficient solutions.

PO11: Ethical and Social Responsibility

CO7: Moderate - Considers ethical implications in organizational practices.

PO12: Research-Related Skills

CO6: Moderate - This may involve research on employee motivation.

PO13: Teamwork

CO7: Strong - Requires teamwork and collaboration.

PO14: Area Specific Expertise

CO7: Strong - Applies expertise in specific areas like HR management.

PO15: Environmental Awareness

CO5: Moderate - Considers environmental risks in organizational practices.

**CBCS Syllabus as per NEP 2020 for F.Y.B.A Geography
(2024 Pattern)**

Name of the Programme	: FYBCOM Cost and Management Accounting
Programme Code	: UCOM
Class	: FYBCOM
Semester	: II
Course Type	: DSC-III (SEC) (Practical)
Course Code	: CMA-153-SEC
Course Title	: Cost Accounting II (Practical)
No. of Credits	: 02
No. of Teaching Hours	: 30

Course Objectives:

1. Master inventory control strategies like EOQ and ABC analysis to optimize stock levels and ordering.
2. To develop timekeeping and record management expertise for accurate labor cost tracking.
3. To analyze and select appropriate compensation systems (time rate, piece rate) for employee remuneration.
4. Implement incentive plans (Halsey, Rowan) to motivate employees and improve productivity.
5. To understand and analyze direct costs to gain insights into cost structure and control.
6. To explore modern management techniques like Just-in-Time (JIT) for efficient inventory management.
7. To gain an introduction to Computer-Aided Manufacturing (CAM) and Enterprise Resource Planning (ERP) for streamlined production and business operations.

Course Outcomes:

By the end of the course, students will be able to:

- CO1: Inventory Control Strategies:** Define and explain various inventory control strategies, outlining their objectives and importance.
- CO2: Manage Inventory Effectively:** Apply methods for determining and managing stock levels, calculate and utilize EOQ for optimal ordering, and implement ABC analysis for effective inventory classification.
- CO3: Analyze Inventory Performance:** Calculate and interpret inventory turnover ratios, evaluating inventory management effectiveness.
- CO4: Implement Timekeeping and Record Management:** Maintain accurate timekeeping and time booking records using practical methods.
- CO5: Select and Apply Compensation Systems:** Differentiate between time rate and piece rate systems for employee remuneration, with practical application exercises.
- CO6: Implement Incentive Plans for Productivity:** Analyze and apply appropriate incentive plans like Halsey and Rowan Schemes to motivate employees and boost productivity.
- CO7: Understand and Analyze Direct Costs:** Identify and calculate direct costs, understanding their role in cost management.

Topics and Learning Points

UNIT 1: INVENTORY CONTROL	Teaching Hours
1.1 Understanding Inventory Control Definitions, Objectives and Importance of Inventory Control	10
1.2 Methods of Inventory Control Stock Levels: How to determine and manage stock levels. Economic Order Quantity (EOQ): Calculation and application. ABC Analysis: Categorizing inventory for better control.	
1.3 Inventory Turnover Ratio Calculation and interpretation. Numerical exercises on inventory turnover.	
UNIT 2: Labour Cost, Remuneration, and Incentives	10
2.1 Time Keeping and Time Booking Practical methods and records maintenance.	
2.2 Methods of Remuneration Time Rate System: Practical examples and exercises. Piece Rate System: Practical examples and exercises.	
2.3 Incentive Plans Halsey Premium Plan: Practical examples and exercises. Rowan Premium Plan: Practical examples and exercises.	
UNIT 3: Direct Cost and Modern Management Techniques	10
3.1 Direct Cost Concept	
3.2 Introduction to JIT, CAM, and ERP Just in Time (JIT): Practical implementation in inventory management. Computer Aided Manufacturing (CAM): Application in production processes. Enterprise Resource Planning (ERP)	
3.3 Labour Turnover-Concept, causes and remedies.	

References:

1. S.P. Lyengar - Cost Accounting Principles and Practice, Sultan Chand , & Sons Accounting Taxman's, New Delhi.
2. M.N. Arora - Cost Accounting Principles and Practice Vikas Publishing House Pvt.Ltd. New Delhi.
3. S.N. Maheshwari and S.N.Mittal- Cost Accounting, Theory and Problems, Mahavir book Depot, New Delhi
4. B.L. Lall and G.L. Sharma - Theory and Techniques of CostAccounting. Himalaya Publishing House, New Delhi.
5. V.K. Saxena and Vashista - Cost Accounting – Textbook. Sultan Chand and Sons – New Delhi
6. V.K. Saxena and Vashista - Cost Audit and Management Audit.Sultan Chand and Sons – New Delhi
7. Jain and Narang - Cost Accounting Principles and Practice. Kalyani Publishers
8. N.K. Prasad - Principles and Practice of Cost Accounting Book Syndicate Pvt. Ltd.,Calcutta.
9. N.K. Prasad - Advanced Cost Accounting Syndicae Pvt Ltd., Calcutta.
10. R.K. Motwani - Practical Costing. Pointer Publisher,Jaipur

Choice Based Credit System Syllabus (2024 Pattern)

(As Per NEP 2020)

Mapping of Program Outcomes with Course Outcomes

Class: F.Y.B.Com (Sem II)

Subject: Cost Accounting II (Practical)

Course: DSC-III (SEC) (Practical)

Course Code: CMA-153-SEC

Weightage: 1= weak or low relation, 2= moderate or partial relation, 3= strong or direct relation

	P O1	P O2	P O3	P O4	P O5	P O6	P O7	P O8	P O9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15
C O1	3	2	2	1	3	2	2	1	2	1	1	1	1	3	2
C O2	3	3	3	1	3	2	2	1	2	2	2	2	1	3	2
C O3	3	3	3	1	3	2	2	1	2	2	2	2	1	3	2
C O4	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
C O5	2	3	3	2	3	2	2	1	2	2	2	2	1	3	2
C O6	2	3	3	2	3	3	2	1	2	2	2	2	1	3	2
C O7	2	3	3	1	3	2	2	1	2	2	2	2	1	3	2

Justification for the Mapping

PO1: A Fundamental Knowledge and Coherent Understanding

CO1: Strong - Essential for understanding inventory control strategies.

CO2: Strong - Important for managing stock levels and applying EOQ.

CO3: Strong - Fundamental for analyzing inventory performance.

CO4: Moderate - Basic knowledge required for timekeeping and records.

CO5: Moderate - Important for understanding compensation systems.

CO6: Moderate - Analyzing incentive plans requires foundational knowledge.

CO7: Moderate - Understanding direct costs is fundamental.

PO2: Procedural Knowledge for Skill Enhancement

CO1: Moderate - Provides procedural knowledge for inventory strategies.

CO2: Strong - Involves detailed methods for stock management.

CO3: Strong - Techniques for analyzing inventory performance.

CO4: Moderate - Enhances skills in timekeeping.

CO5: Strong - Differentiating compensation systems enhances skills.

CO6: Strong - Applying incentive plans enhances skills.

CO7: Strong - Calculating direct costs enhances skills.

PO3: Critical Thinking and Problem-Solving Skills

CO1: Moderate - Requires critical thinking for strategy application.

CO2: Strong - Applying EOQ and ABC analysis involves problem-solving.

CO3: Strong - Analyzing turnover ratios involves problem-solving.

CO4: Moderate - Requires critical thinking for record management.

CO5: Strong - Differentiating remuneration systems involves problem-solving.

CO6: Strong - Applying incentive plans involves problem-solving.

CO7: Strong - Calculating direct costs involves problem-solving.

PO4: Communication Skills

CO1: Weak - Limited direct relation.

CO2: Weak - Limited direct relation.

CO3: Weak - Limited direct relation.

CO4: Moderate - Communication skills needed for record management.

CO5: Moderate - Communicating compensation systems requires skills.

CO6: Moderate - Communicating incentive plans requires skills.

CO7: Weak - Limited direct relation.

PO5: Analytical Reasoning Skills

CO1: Strong - Involves analyzing inventory strategies.

CO2: Strong - Managing stock levels involves analytical reasoning.

CO3: Strong - Analyzing inventory performance requires reasoning.

CO4: Moderate - Record management involves some analysis.

CO5: Strong - Differentiating remuneration systems requires reasoning.

CO6: Strong - Applying incentive plans involves reasoning.

CO7: Strong - Identifying and calculating direct costs involves reasoning.

PO6: Innovation, Employability, and Entrepreneurial Skills

CO1: Moderate - Understanding strategies aids employability.

CO2: Moderate - Managing inventory enhances employability.

CO3: Moderate - Analyzing performance aids employability.

CO4: Moderate - Timekeeping skills enhance employability.

CO5: Moderate - Understanding compensation systems aids employability.

CO6: Strong - Applying incentive plans boosts employability.

CO7: Moderate - Understanding direct costs aids employability.

PO7: Multidisciplinary Competence

CO1: Moderate - Basic knowledge applicable across disciplines.

CO2: Moderate - Inventory management skills are multidisciplinary.

CO3: Moderate - Performance analysis skills are multidisciplinary.

CO4: Moderate - Record management applicable across disciplines.

CO5: Moderate - Compensation systems applicable in various fields.

CO6: Moderate - Incentive plans applicable across disciplines.

CO7: Moderate - Understanding direct costs is multidisciplinary.

PO8: Value Inculcation through Community Engagement

CO1: Weak - Limited direct relation.

CO2: Weak - Limited direct relation.

CO3: Weak - Limited direct relation.

CO4: Moderate - Record management involves community engagement.

CO5: Weak - Limited direct relation.

CO6: Weak - Limited direct relation.

CO7: Weak - Limited direct relation.

PO9: Traditional Knowledge into Modern Application

CO1: Moderate - Inventory strategies involve traditional and modern methods.

CO2: Moderate - Managing inventory involves traditional methods.

CO3: Moderate - Analyzing performance involves traditional methods.

CO4: Moderate - Record management involves traditional methods.

CO5: Moderate - Compensation systems involve traditional and modern methods.

CO6: Moderate - Incentive plans involve traditional and modern methods.

CO7: Moderate - Understanding direct costs involves traditional methods.

PO10: Design and Development of System

CO1: Weak - Limited direct relation.

CO2: Moderate - Managing inventory involves system design.

CO3: Moderate - Analyzing performance involves system design.

CO4: Moderate - Record management involves system design.

CO5: Moderate - Compensation systems involve system design.

CO6: Moderate - Incentive plans involve system design.

CO7: Moderate - Direct costs analysis involves system design.

PO11: Ethical and Social Responsibility

CO1: Weak - Limited direct relation.

CO2: Moderate - Managing inventory involves ethical considerations.

CO3: Moderate - Analyzing performance involves ethical considerations.

CO4: Moderate - Record management involves ethical considerations.

CO5: Moderate - Compensation systems involve ethical considerations.

CO6: Moderate - Incentive plans involve ethical considerations.

CO7: Moderate - Direct costs analysis involves ethical considerations.

PO12: Research-Related Skills

CO1: Weak - Limited direct relation.

CO2: Moderate - Managing inventory involves research skills.

CO3: Moderate - Analyzing performance involves research skills.

CO4: Moderate - Record management involves research skills.

CO5: Moderate - Compensation systems involve research skills.

CO6: Moderate - Incentive plans involve research skills.

CO7: Moderate - Direct costs analysis involves research skills.

PO13: Teamwork

CO1: Weak - Limited direct relation.

CO2: Weak - Limited direct relation.

CO3: Weak - Limited direct relation.

CO4: Weak - Limited direct relation.

CO5: Weak - Limited direct relation.

CO6: Weak - Limited direct relation.

CO7: Weak - Limited direct relation.

PO14: Area Specific Expertise

CO1: Strong - Inventory strategies are specific to cost management.

CO2: Strong - Inventory management is specific expertise.

CO3: Strong - Performance analysis is specific expertise.

CO4: Moderate - Timekeeping is specific expertise.

CO5: Strong - Compensation systems are specific expertise.

CO6: Strong - Incentive plans are specific expertise.

CO7: Strong - Direct costs are specific expertise.

PO15: Environmental Awareness

CO1: Moderate - Understanding inventory strategies includes environmental considerations.

CO2: Moderate - Managing inventory involves environmental impact.

CO3: Moderate - Analyzing performance includes environmental impact.

CO4: Moderate - Record management involves environmental considerations.

CO5: Moderate - Compensation systems involve environmental considerations.

CO6: Moderate - Incentive plans involve environmental considerations.

CO7: Moderate - Direct costs analysis includes environmental considerations.