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**INDEX**

<b>Sr. No.</b>	<b>Title</b>	<b>Author</b>	<b>Subject</b>	<b>Page No.</b>
1	Accounting Programs for Cost Accounting	Prof. Kalola Rimaben A.	Accountancy	1-3
2	Petrography of the Volcanic and Metavolcanic Rocks of Middle Siang Valley, East Siang District, Arunachal Pradesh, India	P. Bhattacharyya , T.K. Goswami, C. Teye	Applied Geology	4-8
3	Petrography and geochemistry of the host rock of sulphide mineralisation in Potin area, Subansiri district, Arunachal Pradesh, India	P. Bhattacharyya , B.K. Tamuli, D. Majumdar	Applied Geology	9-13
4	Better Work Environment for Small Scale Industries in Developing Countries	Tapan Kumar Majumdar	Architecture	14-15
5	Generation of Bioelectricity from Waste water and Cow's urine	H.Vignesh, Hema Kalai Rani	Biotechnology	16-19
6	Constraints in Grapes Production: An Experience of Tamil Nadu Grapes Growers	Mr. Suresh. G, Dr. S. Krishnamurthy	Commerce	20-22
7	Determinants Of Dividend – A Study With Reference to Selected Companies in India	Dr.M.N.Periasamy	Commerce	23-26
8	Coffee Consumption in India: An Exploratory Study	Shri Arvind A. Dhond	Commerce	27-29
9	A Study on Impact of Women of Self Help GROUPs	D. Bhuvana	Commerce	30-31
10	Impact Of Micro Finance Through Shg-Bank Linkage Programme In Salem District, Tamilnadu	Dr. M. Sumathy, E. Nixon Amirtharaj	Commerce	32-33
11	“A Study On Job Stress With Special Reference To Textile Industries In Tirupur”	DR.M. DHANABHAKYAM , T.SUMATHI	Commerce	34-37
12	The Role of Individual Enterprise and Entrepreneurship in The Economic Development of India, Challenges and Opportunities	A.K.Chandra, B.P.Singh, V.S. Negi	Commerce	38-40
13	Customer Preferences And Attitudes Towards Maruti Cars In Pollachi Taluk	N. MANOHARAN, Dr. R. GANAPATHI	Commerce	41-45
14	(Disaster Management in India : An overview)	Dr. Pawar Ashok S. , Dr. Sunita J. Rathod , Shri. Budhwant R.G.	Economics	46-48
15	Economic condition of Banjara and Vanjari communities in India :An overview	Dr. Pawar Ashok S. , Dr.Rathod Sunita J. , Tidke Atish S.	Economics	49-51
16	(Rajshri Shahu Maharajache Shikshan Sarvatrikaran v Stri Sabalikaran Vishayak Drastikon)	Dr. Pawar Ashok S., Dr. Sunita J. Rathod ,Dr. Vishal Tayade	Economics	52-53
17	“Problems Of Self Help Group Members In Bidar District Of Karnataka”	DR.SANGAPPA V. MAMANSHETTY	Economics	54-56
18	The Role of Private And Public Sectors: An Analysis of Methodological Steps In Understanding Growth Cycles	Dr. Shivsharanappa Dhaba	Economics	57-59
19	“Reforms, Incidence Of Poverty And Employment In India”	Dr. Devraj G. Garvit	Economics	60-62
20	An Innovative Teaching Module to Enhance The Knowledge In Grammar Among The High School Students Of Palghat District	Elsamma Sebastian	Education	63-64
21	Construction of a web course material and evaluating its performance vis a vis conventional approach towards learning: a pilot study	Ms. Sreetanuka Nath	Education	65-67

22	Academic Achievement In Relation to Time Perception and Coping Styles	Dr. D. Hassan, Dr. V. Tulasi Das	Education	68-71
23	Use Of E-Resources to Enhance Performance by the Student-Teachers	Dr. S. K. Panneer Selvam	Education	72-74
24	Studies on The Removal of Blue 4 Dye from Textile Effluents Using Cotton Stem	N. Prasanna, Renjitha Saji , S. Bhuvaneshwari ,A. Priya	Engineering	75-77
25	Implementation of Self controlled Arbiter for High Speed Communication in on-chip	Kaushik Mukherjee, A.Ch. Sudhir , Dr. B Prabhakara Raob	Engineering	78-82
26	Rate Sequence Space (S2) π	B. Sivaraman , K. Chandrasekhara Rao , K. Vairamanickam Vairamanickam	Engineering	83-84
27	The Asphalt in The Hot And Cold Areas	Eng. Nasr Ahmad, Prof.Dr. Eng. Mihai Iliescu	Engineering	85-86
28	Corrective Measures to Reduce Physical Work Strain of Dairy Farming	Vinay Deepa, Sharma Suneeta	Ergonomics	87-89
29	Rural Women in Transition: A Case of Women Entrepreneurs	Varinder Randhawa , Ritu Mittal, Parul Gupta	Home Science	90-93
30	Nutritional Status and Impact of Functional Food Supplement on the Performance of Athletes	Uma Mageshwari.S , Mary Jenefer Sharmila.P	Home Science	94-96
31	Effective HRM for Global Competitiveness	Dr Mahalaxmi Krishnan	Human Resource Management	97-100
32	Role of Materials in English Language Teaching and Learning	Dr. Wajahat Hussain	Literature	101-102
33	Expatriate Women in The Fiction of Ruth Praver Jhabvala	P. Mohanapriya	Literature	103-104
34	Prakruti Pariyavaran and Sahitya	Dr. Sanjay Rathod	Literature	105
35	Samkalin Hindi Kavita me Manviya Jivan ke Badalte	Dr. Sanjay Rathod	Literature	106-107
36	A Servant Turned an Administrator: A Study of Naikar's Kanakadasa: The Golden Servant	Ashok Hulibandi	Literature	108-110
37	A Study on Metacognitive Strategy in Terms of Reading Comprehension of Post Graduate English Literature Students	J.P.Vandhana, T.Sakthivel	Literature	111-112
38	The Psychic Patterns In The Protagonist Of Bharati Mukherjee's Wife.	B. Kalidoss, Dr. S.Kanakaraj,	Literature	113-114
39	Integrating action research paradigm into decision making -An investigation of an action research model	Haresh B. Barot	Management	115-117
40	A Study on Green Marketing Mix Towards Green Products	Urmila Vikas Patil	Management	118-120
41	Viral Marketing – Is It A Mirage or Reality?	Dr. Viral Shilu	Management	121-122
42	Evaluation of Mandura Bhasma with & without Triphala Churna in Management Of 'Panduroga'	Dr.D.Anuradha, Dr. M.Srinivasulu	Management	123-125
43	A Conceptual Overview of Value Creation in Business Relationships	Abhishek Pande	Management	126-127
44	Plight of Women Entrepreneurs: A Diagnostic Study	Anuradha Averineni	Management	128-130
45	"Profitability Analysis Of Merger Textile Companies In India During Pre And Post-Merger Periods"	Dr. M. Dhanabhakym ,R.Umadevi	Management	131-133

46	Impact Of Ngo's On Rural Marketing	R. DURGA RANI,Dr. R. GANAPATHI	Management	134-135
47	Status Of Mutual Fund In India	D. JAYANTHI,Dr. R. GANAPATHI,	Management	136-138
48	A Study on "The relevance of Human Resource Accounting in the Present Scenario"	Dr.Giridhar K.V. , Krupa V.D.	Management	139-140
49	Customers Attitude Towards Domestic Air Conditioners With Reference To Lg	M. LAKSHMI PRIYA, Dr. R. GANAPATHI,	Management	141-149
50	Interaction of Gender and Sexual Appeal on Effect of TV Advertisements	P. Shanthi, Dr. S. Thiagarajan	Marketing	150-151
51	Study on Dislike towards TV advertisements – An empirical Evidence	Ruhani Mahajan, Sahil Goyal	Marketing	152-154
52	Emotions: Ace Tool For Marketing	Ashish Nathwani	Marketing	155-157
53	Comparison of Fluticasone propionate with Beclomethasone dipropionate in patients of Bronchial asthma"	RAMAKRISHNA GHUBDE, ARCHANA SHEKOKAR	Medical Science	158-160
54	A study of incidence and risk factors for neonatal systemic candidiasis	Dr Sheila Aiyer, Dr Pareshkumar A. Thakkar, Dr. Komal K. Patel, Dr. Kaushik A. Mehta	Medical Science	161-163
55	Pharmacoeconomic appraisal of antimicrobial utilization in a medical college hospital	Dr. Parveen Kumar Sharma, Dr. Rekha Bansal	Medical Science	164-166
56	Various aspects of antimicrobial utilization in OPD of a medical college hospital	Dr. Parveen Kumar Sharma, Dr. Rekha Bansal	Medical Science	167-168
57	Subjective well Being and Job Satisfaction Among Survivors of Economic Downturn	Vijaya. R, M. Y. Manjula	Psychology	169-172
58	Knowledge of Mothers About Nutrition of Child Under Five Years of Age	Dr.K.Jothy, Ms.S.Kalaiselvi	Social Sciences	173-175
59	Geriatric in India and Their Right to Health	Minni K. T.	Sociology	176-177



## Accounting Programs for Cost Accounting

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### ABSTRACT

*The purpose of this Module is to introduce the subject of cost accounting, to explain its relationship to management accounting and to differentiate it from financial accounting. The survival of any business depends on its ability to settle its debts as they fall due and on having products or services that obtain revenues higher than the costs incurred in producing and selling them. The type of accounting which is concerned with recording transactions with outsiders and in determining what the business owns and what is owed to it in comparison to what it owes to the outsiders and to the owners of the business at any given time is termed financial accounting. The contents are presented in a clear and unambiguous style, so that the subject matter can be applied both to academic problems and in practical business situations. Cost accounting is a discipline that originally arose out of costing and estimating practices in engineering. Its historical context has been manufacturing, as evidenced by many of the examples used in this COST ACCOUNTING PROGRAMME Program. Cost accounting is extensively used in a wide variety of businesses, including hospitals, local government, banking, retail and manufacturing. The cost accounting system is the basis of an internal financial information system to assist managers to make business decisions.*

**Keywords : Cost Accounting Programme, Techniques**

### Introduction

The purpose of this Module is to introduce the subject of cost accounting, to explain its relationship to management accounting and to differentiate it from financial accounting. The survival of any business depends on its ability to settle its debts as they fall due (liquidity) and on having products or services that obtain revenues higher than the costs incurred in producing and selling them (profitability).

The type of accounting which is concerned with recording transactions with outsiders and in determining what the business owns and what is owed to it (assets) in comparison to what it owes to the outsiders (liabilities) and to the owners of the business (capital) at any given time is termed financial accounting. Financial accounting matches the revenues earned in a period against the corresponding costs to measure the profitability of the business as a whole. Thus, financial accounting assists in maintaining liquidity and recording overall profits of the business. Reports based on financial accounting provide useful information to users, the majority of whom are outsiders, who may be interested in the business as a whole. For instance, shareholders and creditors are only concerned with the overall profitability and viability of the business, leaving managers to focus on the profitability of individual product or service lines, using cost and management accounting techniques encompassing financial accounting, cost accounting, management accounting, finance and taxation.

The focus of accounting has developed over time from recording financial transactions to comply with legal requirements and for the purpose of a periodic profitability statement (profit and loss account) and position statement of assets, liabilities and capital (balance sheet) to the provision of cost data to assist management in the planning and control of activities and for the purpose of decision making. Information on the cost incurred in producing and selling individual products or services is not readily available from the financial accounting records. When a business produces different products or services, without such information its managers cannot make sensible decisions about controlling the costs and maximizing the profits earned from a particular line of products or services. To obtain this information promptly, a mechanism of

recording transactions within the business is required. Cost accounting provides such a mechanism to record the cost of resources used by an individual product/service line, either by identifying the direct connection (cost allocation) or by sharing out the common costs on a fair basis (cost apportionment).

The role of cost accounting, a discipline arising out of the costing and estimating practices in engineering, is vital to the modern business facing increasing competition. Advances in transportation technology have eroded the geographical barriers to competition, while advances in communication technology have increased consumer awareness about alternative suppliers and their pricing. Increasingly, businesses are facing the challenge of operating in a 'cost continuous' environment with little buffer to absorb poor cost management. Cost accounting assists in cost management by offering various techniques for control and reduction of the different types of costs incurred by a business. It also helps in making the best use of the available resources.

The discipline of management accounting emerged as a natural progression from cost accounting as the information requirements of business managers were better understood and increasingly catered for by accountants. Management accounting is more strategic in nature and encompasses various accounting disciplines such as cost accounting, financial accounting, taxation and financial management as well as behavioral psychology, management science and systems theory. This Program focuses on Cost Accounting, rather than concentrating on management accounting in great depth; however, as management accounting employs cost accounting data, there is an inevitable overlap between the two.

The COST ACCOUNTING PROGRAMME Program on Cost Accounting has the aims of:

- \* introducing you to the main principles of cost accounting,
- \* simplifying this complex and diverse subject, and presenting the subject in a straightforward and easy to understand format.

The contents are presented in a clear and unambiguous style, so that the subject matter can be applied both to academic

problems and in practical business situations. Cost accounting is a discipline that originally arose out of costing and estimating practices in engineering. Its historical context has been manufacturing, as evidenced by many of the examples used in this COST ACCOUNTING PROGRAMME Program, but increasingly cost accounting is being successfully implemented in service industries and not-for-profit organizations with significant results. This reflects the fact that today cost accounting is vital to all 21st century businesses which face growing competition and globalization.

This COST ACCOUNTING PROGRAMME Program concentrates on the principles of cost accounting, which are fundamental to the understanding of the discipline and will be relevant to members, students, accounts practitioners, managers and business people alike. However, this COST ACCOUNTING PROGRAMME Program is not intended to cover specific costing methods such as job costing, batch costing, process costing or joint product costing in depth, as such methods are relevant to specific business situations and may be covered in other related or complementary studies or programs. Modules/Chapters in this Cambridge International College Program on Cost Accounting include:

- **A list of Learning Objectives**
  - ❖ An introduction to the subject matter
  - ❖ Illustrative examples to explain the procedural aspect of the techniques being covered
- **A “key points” summary**
  - ❖ Questions for review designed to reinforce learning
  - ❖ In most Modules/Chapters, Self-assessment examination-style questions
  - ❖ Answers to most (but not all) the self-assessment questions, at the end of the publication

➤ **Learning Objectives**

Having studied this Module you should be able to:

- ❖ explain the meaning and purpose of cost accounting
- ❖ understand how cost accounting arises out of the need to make business decisions
- ❖ differentiate between cost accounting, management accounting and financial accounting
- ❖ appreciate how raw data is transformed into information
- ❖ be familiar with some costing terminology

❖ **What is Cost Accounting?**

Cost accounting is extensively used in a wide variety of businesses, including hospitals, local government, banking, retail and manufacturing. The cost accounting system is the basis of an internal financial information system to assist managers to make business decisions. The types of business decision will vary with the nature of the organisation, but typically these could include:-

- \* whether to provide a new service
- \* whether to make or buy a product
- \* the extent to which selling prices may be altered
- \* whether to manufacture a new type of product
- \* whether to increase the levels of service provided

In an intensely competitive global marketplace, without an effective cost accounting system, it is doubtful whether a business could survive. The ability to determine the costs of products using product costing techniques, planning and controlling the enterprise using budgeting techniques and making decisions about the future of the organisation using appraisal techniques is paramount. It is important to realise that no two businesses are the same. As a consequence there is no uniform costing system that can be implemented for all businesses. Appropriate cost accounting techniques may be

selected from a range of techniques and applied according to circumstances. There is no law or statute governing the application of costing techniques. Contrast this with financial accounting, where all limited companies are required by law to produce specific prescribed financial statements.

❖ **What are the Commonly Used Techniques?**

Cost accounting techniques arise because of specific information requirements by management. In some cases this could relate to how much a product costs to manufacture or how much a service costs to deliver. Product costing/service costing techniques address this question.

❖ **Budgeting techniques**

Assist managers to quantify their future plans in monetary terms and enable comparisons of actual financial performance with planned. Where actual performance deviates from planned this may be recorded and subsequently investigated to ascertain the reasons why this is the case. Management may also wish to evaluate the way a particular product/service has performed in the past to determine whether the organisation is making best use of the resources available to it, and would also be interested in the future performance of existing and new products or services. In making an assessment as to the viability of a particular product or service, the level of risk associated with it would also have to be assessed and this compared with the possible rewards from the venture, with due regard to management’s attitude to differing levels of risk.

❖ **Appraisal techniques**

Assist management to address this matter. The techniques introduced in subsequent Modules/Chapters will be introduced under the broad headings of product costing, budgeting and appraisal. They arise primarily out of the requirement to address the information needs of the organisation and provide the data for subsequent analysis by management.

These three headings reflect the activities of managers: they plan (budget), measure the results of their plans (record actual product/service costs) and assess the success of those plans (appraisal). Diagrammatically the cost accounting techniques dealt with in this text are shown in Figure 1.

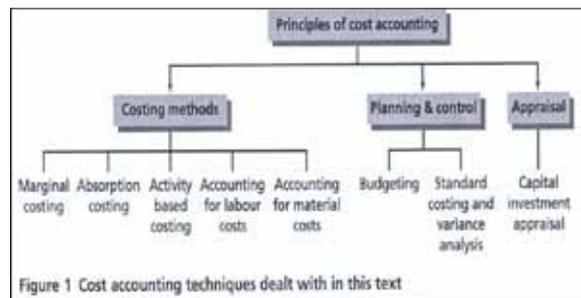


Figure 1 Cost accounting techniques dealt with in this text

❖ **The Scope of Cost Accounting**

As we have explained, cost accounting techniques arise because of specific information requirements by management. Examples of information required by management and information provided by a typical costing system are shown in the Table below.

Specific costing information that could be provided to satisfy the information needs of managers	
Information required by management	Costing information provided
Production planning	Cost per unit of production
Methods of production/service delivery	Cost per unit of output
Labour cost control	Labour cost per unit.
	Cost of downtime and idle time
Material cost control	Material cost per unit.
	Cost of scrap and wastage
Pricing decisions	Cost per unit of output
Make or buy	Costs at different activity levels
Profit planning	Costs at different activity levels

### Summary

Cost accounting comprises a range of techniques for the purpose of:

- ❖ Cost ascertainment, cost control and cost reduction.
  - ❖ Cost accounting systems and financial accounting systems are different.
  - ❖ Cost accounting is in effect for internal use. Financial accounting forms the basis of external reporting and is for stewardship purposes.
  - ❖ Cost accounting systems provide information to management for planning, control and decision making.
- ❖ Financial accounting is concerned with types of expenditure for the purpose of an overall profitability statement and statement of assets and liabilities.
  - ❖ Cost accounting is dealt with in this text within three broad headings of product costing, budgeting and appraisal.
  - ❖ They arise primarily out of the need to address the information needs of the organization.
  - ❖ Costing information is not mutually exclusive. It may be used for many purposes.



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