






CHAPTER	
1	Introduction to Cost and Management Accounting
This Chapter Covers : Study's Chapter: 1	
Chapter Comprises: Objectives of Cost Accounting ✎ Scope of Cost Accounting ✎ Users of Cost and Management Accounting ✎ Essentials of a Good Cost Accounting System ✎ Installation of Costing System ✎ Cost Objects ✎ Responsibility Centres ✎ Limitations of Cost Accounting ✎ Classification of Costs ✎ Methods of Costing ✎ Techniques of Costing	

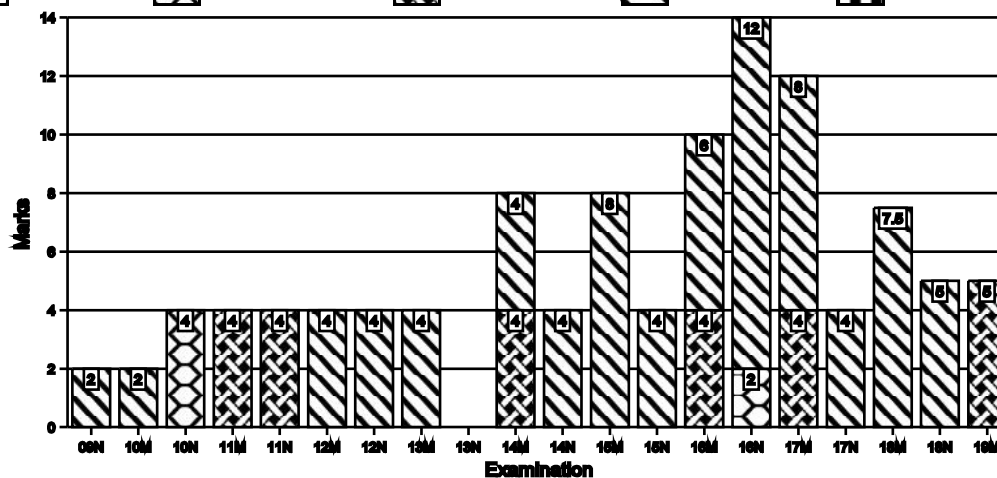
THE GRAPH

..... Trend Analysis

Marks of Objective, Short Notes, Distinguish Between, Descriptive & Practical Questions

Legend

 Objective
  Short Notes
  Distinguish
  Descriptive
  Practical



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TIME MANAGER	 Plan and Manage your Time						
Time	<i>First In- d e p t h learning</i>	<i>Instant Revision (in hours)</i>		<i>Periodic Revision (in hours)</i>				
	i.e.....	Next day i.e....	After 7 days i.e. on	After 30 days i.e. on	After 60 days i.e. on	After 90 days i.e. on	Fix as per your need.	
 Day 1 Day 2 Day 8 Day 30 Day 60 Day 90		
1. Budgeted	5	1.15	1.00	0.45	0.10	0.10		
2. Actual								
3. Variance (1-2)								

QUICK LOOK	 Weightage Analysis	
Repeatedly Asked Questions	Common Answered Questions	Must Try Question	
1.1, 1.2, 4.1, 7.1, 7.2, 7.3, 9.1, 10.2	1.1, 4.1, 5.1, 7.1, 9.1, 10.1, 10.2	1.1, 4.1, 7.3, 9.1, 10.1, 11.2	

1

Objectives of Cost Accounting

Q.1.1	2001 - May [2] (a), 2008 May [1] (i)	Descriptive
What are the main objectives of cost accounting?		(2,2 marks)
OR	2002 - Nov [1] {C} (a)	Descriptive
Enumerate the main objective of introduction of a cost accounting system in a manufacturing organisation.		(3 marks)

OR	2010 - May [1] (i), 2016 - May (7) (b), RTP	Descriptive
What is cost accounting? Enumerate its important objectives. (2,4 marks)		

Answer:

Cost Accounting is defined as “the process of accounting for cost which begins with the recording of income and expenditure or the bases on which they are calculated and ends with the preparation of periodical statements and reports for ascertaining and controlling costs.”

- Cost accounting primarily deals with collection and analysis of relevant cost data for interpretation and presentation for various problems of management.
- Cost accounting is the application of accounting and costing principles, methods and techniques in the ascertainment of costs and analysis of saving and /or excess as compared with previous experience or with standards.

The Objectives of Cost Accounting are as follows:

1.	To ascertain and analyse costs	The primary objective of cost accounting is to ascertain and analyse costs incurred on the production of various products, jobs and services etc.
2.	To control costs	There are a number of techniques in cost accounting like standard costing and budgetary control for controlling cost.
3.	To reduce costs	By now, the objective of cost accounting has been extended to reduce costs. For cost reduction plan, products, processes, procedures, organisation, and methods are continuously reviewed or scrutinized in order to improve efficiency and to reduce cost.
4.	To fix the selling price:	Under cost accounting, reliable data is provided to act as a base for fixing selling prices.

5.	To prepare periodic statements:	In cost accounting system, periodic cost statements (viz. monthly, quarterly) for review of operating results are prepared.
6.	To provide information:	Cost accounting provides useful information for planning and control and for taking various decisions regarding increase in production, installation or replacement of a machine, making or buying of a component, continuing or closing down of a business etc.
7.	To ascertain the profit of each activity:	The profit of any activity can be ascertained by matching cost with the revenue of that activity. The purpose under this step is to determine costing profit or loss of any activity on an objective basis.
8.	To assist the management in decision making:	Decision making is defined as a process of selecting a course of action out of two or more alternative courses. For making a choice between different courses of action, it is necessary to make a comparison of the outcomes, which may be arrived under different alternatives.

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Q.1.2	2011 - Nov [5] (i), 2014 - May [5] (a), 2016 - May [5] (a), 2019 - May [6] (a), RTP	Distinguish Between
Distinguish Between Cost Control and Cost Reduction. (4, 4,4,5 marks)		

Answer:

Difference Between Cost Control and Cost Reduction			
S. No.	Basis of Difference	Cost Control	Cost Reduction
1	Meaning	Cost control is the guidance and regulation by executive action of the cost of operating an undertaking.	Cost reduction is the achievement of real and permanent reduction in the unit cost of goods and services without impairing their suitability.
2	Emphasis	It emphasises on past performance and variance analysis.	It emphasises on present and future performance without considering the past performance.
3	Approach	It is a conservative approach which stresses on the conformity to the set norms.	It is a dynamic approach where in every function is analysed in view of its contribution.
4	Focus	It is a short term review with focus on reducing cost in a particular period.	It seeks to reduce unit cost on a permanent basis based on a systematic approach.
5	Nature of Function	It is a preventive function.	It is a corrective function.

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Relationship of Cost and with other Related Disciplines Management Accounting

Q.2.1	2017 - May [7] (b), RTP	Distinguish Between
State the difference between Cost Accounting and Management Accounting. (4 marks)		

Answer:

Difference Between Cost Accounting and Management Accounting			
S. No.	Basis	Cost Accounting	Management Accounting
1.	Nature	It records the quantitative aspect only.	It records both qualitative and quantitative aspect.
2.	Objective	It records the cost of producing a product and providing a service.	It provides information to management for planning and co-ordination.
3.	Area	It only deals with cost Ascertainment.	It is wider in scope as it includes F.A., budgeting, Tax, planning.
4.	Recording of Data	It uses both past and present figures.	It is focused with the projection of figures for future.
5.	Development	It's development is related to industrial revolution.	It develops in accordance to the need of modern business world.

6.	Rules and Regulation	It follows certain principles and procedures for recording costs of different products.	It does not follow any specific rules and regulations.
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3***Users of Cost and Management Accounting***

Q.3.1	2018 - May [6] (a)	Descriptive
Answer the following: (a) Why are cost and management accounting information are required by the staff at operational level? Describe. (5 marks)		

Answer:

The operational level staff like supervisors, foreman, team leaders are require cost and management accounting information:

1. To know the objectives and performance goals for them.
2. To know product and service specification like volume, quality and process etc.
3. To know the performance parameters against which their performance is measured and evaluated.
4. To know divisional (responsibility centre) profitability etc.

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4***Essentials of a Good Cost Accounting System***

Q.4.1	1996 - May [6] (a), RTP	Descriptive
What are the essentials of a good Cost Accounting System. (6 marks)		

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OR	2004 - May [1] {C} (b), 2005 - Nov [1] {C} (b)	Descriptive
Discuss the essentials of a good Cost Accounting System. (2, 4 marks)		
OR	2012 - Nov [5] (a)	Descriptive
Briefly explain the essential features of a good cost accounting system. (4 marks)		

Answer :

To be successful, a good cost accounting system should possess the following essential features:		
1.	Simple and easy to operate	The system to be simple practical, flexible and capable of meeting the requirements of a concern.
2.	Accuracy	The data to be used by the cost accounting system should be exact & accurate otherwise the output of the system will not be correct.
3.	Cost-effective	The cost of installing and operating the system should justify the results. The benefit from the system should exceed the amount to be spent on it.
4.	Management's Role	The top management should have full faith in the costing system and should provide help towards its development and success.
5.	Relevance of Data	The system should handle and report relevant data for use of managers for decision making. It should not sacrifice its utility by introducing meticulous and unnecessary details.

6.	Participation by executives	Necessary co-operation and participation of executives from various deptts. of the concern is essential for developing a good system of cost accounting.
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5***Installation of Costing System***

Q.5.1	1996 - May [6] (b), RTP	Descriptive
Narrate the essential factors to be considered while designing and installing a Cost Accounting System. (10 marks)		
OR	1999 - Nov [7] (c)	Descriptive
Enumerate the factors which are to be considered before installing a system of cost accounting in a manufacturing organisation. (5 marks)		
OR	2010 - Nov [6] (b) (i)	Short Notes
Write short note on the essential factors for installing a Cost Accounting System. (4 marks)		
OR	2017 - May [5] (b)	Descriptive
What are the essential factors for installing a cost accounting system? Explain. (4 marks)		

Answer:

Essential Factors for installing a Cost Accounting System:

1.	Objective	The objective of cost system should be considered before installation. Whether to fix selling prices or control costs or both.
2.	Nature of Business	The costing system, which is suitable to the business organisation, should be introduced.

3.	Organisational Hierarchy	Costing system should fulfill the requirement of different level of management. Organisation structure should be studied to determine the manner in which costing system should be introduced.
4.	Knowing the Product	Nature of Product determines the type of costing system to be implemented. The product which has by-products requires costing system which account for by-products as well.
5.	Knowing the Production Process	A good costing system can never be established without the complete knowledge of production process.
6.	Method of Maintenance of Cost Records	The manner in which Cost and Financial accounts could be inter-locked into a single integral accounting system and in which results of separate sets of accounts, cost and financial, could be reconciled by means of control accounts.

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Q.5.2	1996 - Nov [7] (a)	Descriptive
A factory manufactures only one product in one quality and size. The owner of the factory states that he has a sound system of financial accounting which can provide him with unit cost information and as such he does not need a cost accounting system. State your arguments to convince him the need to introduce a cost accounting system. (4 marks)		

Answer:**Reasons for installing a cost accounting system in a single product manufacturing factory:**

1. Management of a manufacturing unit needs information to draw plans for the future, to control the working of the unit and for making day-to-day decisions. All these information are not available from financial accounts which provides two documents viz profit and loss a/c and balance sheet at the end of the financial year. These two documents take about 13-14 months to reach the executives but the executives even then cannot set right anything that has gone wrong in the past. Therefore, in order to facilitate executives to perform well the functions of planning, control and decision making the use of cost accounting system is a must.
2. In financial accounting system no attempt is generally made to record data by jobs, processes, products, departments etc. It only provides information in terms of income, expenses, assets and liabilities for the company as a whole thus the available information is not quite useful for the ascertainment of price, control of costs, ascertainment of products profitability etc. Cost accounting records data in the manner that helps the ascertainment of price and profitability and also the control of costs by using variances.
3. Government in its efforts to protect consumers, often resorts to statutory price control, cost accounting can help by providing enough cost information which could be utilized to press upon the govt. to convince for price and to arrive at a suitable price before their arbitrary fixation.
4. A sound system of cost accounting will highlight the capacity utilization and efficiency which will be beneficial in taking suitable decisions for the improvement of operational results.
5. It also helps the management for the periodic assessment of the performance of its executives. This can be done by establishing standards and presenting reports to appropriate authority.

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Q.6.1	2000 - May [1] {C} (c)	Descriptive
Define cost object and give three examples.		(2 marks)

Answer:

Please refer ICAI Study Material Para 1.10

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Q.6.2	2000 - May [7] (a)	Descriptive
Give three examples of Cost Drivers of following business functions in the value chain:		
(i) Research and Development (ii) Design of products, services and processes (iii) Marketing (iv) Distribution (v) Customer service.		
		(5 marks)

Answer:

Business Functions	Cost Drivers
(i) Research and Development	— No. of Research Projects — Personal hours on a project — Technical complexities of the project
(ii) Design of products Services and Processes	— No. of Products in design — No. of parts per products — No. of engineering hours
(iii) Marketing	— No. of advertisement run — No. of sales personnel — Sales Revenue

- (iv) Distribution
 - No. of items distributed
 - No. of customers
 - Weight of items distributed
- (v) Customer service
 - No. of services calls
 - No. of products serviced
 - Hours spent in servicing of products

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Q.6.3	2013- May [5] (a)	Descriptive
Cost of a product or service is required to be expressed in suitable cost unit. State the cost units for the following industries: <ul style="list-style-type: none"> (i) Steel (ii) Automobile (iii) Transport (iv) Power 		
		(4 marks)

Answer:

	Industry	Cost Unit
(i)	Steel	Tonne
(ii)	Automobile	Numbers
(iii)	Transport	Passenger Kilo-meter//Tonne Kilo-meter
(iv)	Power	Kilo-watt hour (Kwh)

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Q.6.4	2014 - May [7] (e) (ii)	Descriptive
State the unit of cost for the followings : <ul style="list-style-type: none"> 1. Transport 2. Power 3. Hotel 4. Hospital 		
		(2 marks)

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Answer:**Unit of Cost:**

1.	Transport	Passenger km., Tonne km.
2.	Power	Per kilowatt - hours
3.	Hotel	Per room, per day
4.	Hospital	Patient per day, room per day or per bed, per operation, etc.

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7**Responsibility Centres**

Q.7.1	1997 - May [4] (b), 2002 - Nov [4] (b), 2015 - May [7] (a), 2016 - Nov [5] (b)	Descriptive
What is meant by 'Cost Centre'? What are the different types of cost centres. (2, 4, 4, 4 marks)		
OR	2015 - May [5] (a), 2016 - Nov [5] (a) (i) (ii)	Descriptive
Define 'Cost Centre' and state its types. (4, 4 marks)		

Answer:

Cost Centre	
Meaning	It is defined as a location, person, or an item of equipment (or group of these) for which cost may be ascertained and used for the purpose of cost control. It is a part of an organization that does not produce direct profits and adds to the cost of running a company. Eg. R&D, marketing departments, help desk and customer services. Cost Centre are of two types: (i) Personal (ii) Impersonal

A personal cost centre consists of a person and an impersonal Cost Centre of a location or item of equipment.

1.	Production Cost Centre	It is cost centre where raw material is handled for conversion into finished product. Here both direct and indirect expenses are incurred. Machine shops, welding shops and assembly shops are examples of production Cost Centre.
2.	Service Cost Centre	It is Cost Centre which serves as an ancillary unit to a production cost centre. Power house, gas production shop, material service centres, and plant maintenance centres are examples of service Cost Centre.
3.	Profit Centre	Centres, which have the responsibility of generating and maximizing profits are called profit centres. The profit centre's revenues and expenses are kept separate from the main company's profit in order to maintain the profit centre's profitability.
4.	Investment Centres	Investment centres are similar to profit centres but they have additional decision rights in terms of capital expenditure and investment. The manager is assumed to have better knowledge of input and output markets but also investment opportunities.

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Q.7.2	1997 - Nov [1] (a), 2016 - May [7] (e) (ii)	Descriptive
What is meant by 'Profit Centre'?		(4, 2 marks)

Answer:

A profit centre is the centre whose performance is measured in terms of income earned and cost incurred. Its main responsibility is to generate and maximise profit.

Profit Centres is a branch or division of a company that is accounted for on a standalone basis for the purpose of profit calculation. A profit center is responsible for generating its own result and earnings, and as such, its managers generally name decision making authority related to product pricing and operating expenses. Profit centres are crucial in determining which units are the most and least profitable within an organisation.

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Q.7.3	2006 - May [3] (b), 2009 - May (i) (ii), RTP	Distinguish Between
Distinguish between the following:		
(i)	Profit Centres and Investment Centres	
(ii)	Product Cost and Period Cost	(2, 2 marks)

Answer:

(i) Difference between Profit Centres and Investment Centres

:

Profit centre is an organisational sub-unit for which both cost and profit can be traced which are engaged mainly on maximization of profit where as investment centre is an organisation sub-unit for which both profit and investment are considered for performance appraisal which are mainly engaged to earn return on investment.

(ii) Difference between Product Cost and Period Cost:

Product costs are associated with the purchase and sale of goods. In the production scenario, such costs are associated with the acquisition and conversion of materials and all other manufacturing inputs into finished product for sale. Hence under absorption cost, total manufacturing costs constitute inventoriable or product cost.

Periods costs are the costs, which are not assigned to the products but are charged as expense against revenue of the period in which they are incurred. General Administration, marketing, sales and distributor overheads are recognized as period costs.

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Q.7.4	2011 - May [6] (b)	Distinguish Between
Distinguish between cost units and cost centres.		(4 marks)

Answer :

Difference between Cost Unit and Cost Centre:

Cost Unit: It is a unit of production, service, time or a combination of these, in relation to which costs may be ascertained or expressed. It should be one with which expenditure can be most readily associated or ascertained.

Cost Unit differs from one business to another. They are usually units of physical measurement like weight, area, volume, number, time, length and value.

Some illustrations of cost unit are as follows:

Industry/Product/Input

Cement

Power

Transport Tonne

Sugar

Nuts and Bolts

Construction or Interior Decoration

Automobiles

Cost Unit

Tonne

Kilo watt hour

Km. or Passenger Km.

Quintal/Tonne

Gross or Kilogram

Each contract

Number

Cost Centre:

It is defined as:

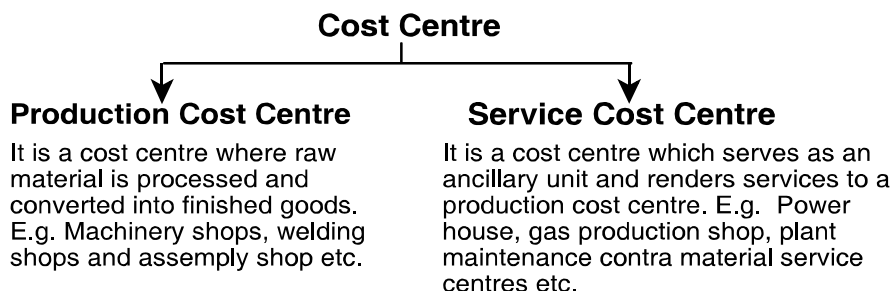
(a) A location e.g. Noida plant, Hyderabad factory etc.

(b) A person e.g. Area sales officer, Manager etc.

(c) An item or equipment e.g. Machine 1, 2, or Process A, B, etc.

Or a group of these, for which cost can be ascertained and used for the purpose of cost control. Cost centres are of two types viz. Personal and Impersonal.

A Personal cost centre consists of a person or a group of persons while Impersonal cost centre consists of a location or an item of equipment or group of all these. In a Manufacturing concern there are 2 types of cost centres:



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Q.7.5	2017 - May [5] (a), RTP	Descriptive
Explain 'Cost Unit' and 'Cost Centre'.		(4 marks)

Answer:

Cost Unit:

It is a unit of product, service or time (or combination of these) in relation to which costs is ascertained or expressed. It is unit of measurement. For example the cost of carrying a passenger in terms of km, cost of hotel room expressed as cost per day etc.

Cost Centre:

It is a location, person or an item of equipment (or group of these) for which cost is ascertained and used for the purpose of cost control. The main purpose of ascertaining cost centre is to control the cost and to fix responsibility of the person in charge of a cost centre.

Cost Centres are of two types:

1. Personal Cost Centre.
2. Impersonal Cost Centre.

Cost Centres in a manufacturing concern:

1. Production Cost Centre
2. Service Cost Centre.

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Q.7.6	2018 - Nov [6] (a)	Descriptive
Answer the following: Mention and explain types of responsibility centres.		(5 marks)

Answer:

Four types of responsibility centres are

1. Cost Centres
2. Revenue Centres
3. Profit Centres
4. Investment Centres

1. Cost Centres:

The responsibility centre which is held accountable for insurance of costs which are under its control. The Performance of this responsibility centre is measured against pre-determined standards or budgets. The cost centres are of two types:

- (a) Standard cost centre and (b) Discretionary cost centre

(a) Standard cost centre:

Cost centre where output is measurable and input required for the output can be specified. Based on a well-established study, an estimate of standard units of inputs to produce a unit of output is set. The actual cost for inputs is compared with the standard cost. Any deviation (Variance) in cost is measured and analysed into controllable and uncontrollable cost. The manager of the cost centre is supposed to comply with the standard and held responsible for adverse cost variances. The input- output ratio for a standard cost centre is clearly identifiable.

(b) Discretionary cost centre:

The cost centre whose output cannot be measured in financial terms, thus input output ratio cannot be defined. The cost of input is compared with allocated budget for the activity. Example of discretionary cost centres are Research & Development department, Advertisement department where output of these department cannot be measured with certainty and co-related with cost incurred on inputs.

2. Revenue Centres:

The responsibility centres which are accountable for generation of revenue for the entity. Sales Department for example, is responsible for achievement of sales target and revenue generation. Though, revenue does not have control on expenditures it incurs but some time expenditures related with selling activity like commission to sales person etc. are incurred by revenue centres.

3. Profit Centres:

These are the responsibility centres which have both responsibility of generation of revenue and incurrence of expenditures. Since, managers of profit centres are accountable for both costs as well as revenue, profitability is the basis for measurement of performance of these responsibility centres are decentralised branches of an organisation.

4. Investment Centres:

These are the responsibility centres which are not only responsible for profitability but also has the authority to make capital investment decisions. The performance of these responsibility centres are measured on the basis of Return on Investment (ROI) besides profit. Examples of investment centres are Maharatna, Navratna and Maniratna companies of public sector undertakings of central government.

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Classification of Costs : By Variability or Behaviour

Q.8.1	2004 - Nov [2] (a)	Descriptive
Discuss cost classification based on variability.		(2 marks)

Answer:

Classification on the basis of Variability:

On the basis of variability, cost are classified into three types:

1. Fixed cost

2. Variability cost
3. Semi-variable cost.
1. **Fixed Cost:** CIMA defines fixed cost as “A cost which accrues in relation to the passage of time and which when certain output or turnover limits, tends to be unaffected by fluctuation in volume of output or turnover.

Characteristics of Fixed Cost:

- (i) Amount of fixed cost remains constant for every level of output.
- (ii) Average fixed cost (i.e. fixed cost per unit) will decrease with increased output.
- (iii) Fixed cost is generally managed and controlled by the higher management.

Example of F.C.: Insurance, salary, rent etc.

2. **Variable Cost:** CIMA defines variable cost as “A cost which in aggregate tends to vary in direct proportion to change in the volume of output or turnover.”

Characteristic of Variable Cost:

- (i) Variable cost varies directly with output/Sales.
- (ii) Variable cost is easily chargeable to output or department.
- (iii) Variable cost is generally managed and controlled by the department heads.

Examples of V. C.: Direct materials cost Direct Labour Cost.

3. **Semi Variable Cost:** CIMA defines semi variable cost as “A cost containing both fixed and variable elements, which is, therefore, partly affected by fluctuations in the output or turnover.

Characteristics of Semi-Variable Cost:

- (i) Amount of semi-variable is neither fixed nor varies directly along with the output.
- (ii) Semi-variable expenses are generally managed by various levels of management jointly.

Example of semi variable cost: Telephone bill, electricity bill etc.

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Q.9.1	1997 - May [5] (a) (i), 2001 - Nov [1] (a) (iii), 2003 May [5] (a) (iv), RTP	Distinguish Between
Distinguish Between Controllable Cost and Non-controllable Cost. (2 marks each)		
OR	2004 - Nov [2] (a), 2001 May [2] (b), 2008 - May (i) (iii)	Descriptive
Discuss cost classification on the basis of Controllability (2 marks each)		

Answer:**Classification on the basis of Controllability:**

On the basis of controllability cost is classified into two types:

1. Controllable cost
 2. Non-controllable cost
1. **Controllable Cost:** CIMA defines controllable cost as "Cost chargeable to a cost centre, which can be influenced by the action of the person in whom control of the centre is vested."
In practice all variable cost are controllable cost.
Example: Direct cost i.e. direct material cost, direct labour cost.
 2. **Non-Controllable Cost:** CIMA defines non-controllable cost as a "Cost chargeable to a cost centre which cannot be influenced by the action of the person in whom control of the centre is vested."
In practice all fixed costs are non-controllable cost. Therefore such cost cannot be controlled by the responsibility manager.
Example: Expenditure on any service department is controlled by the manager of that service department but if such expenditure is apportioned to production on dept. then manager of that production dept. cannot control the expenditure of the service department.

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Classification of Cost : By Costs for Managerial Decision Making

Q.10.1	2001 - May [2] (c)	Descriptive
Define Explicit costs. How is it different from Implicit costs? (2 marks)		
OR	2005 - May [2] (a) (i), RTP	Distinguish Between
Distinguish between: Explicit and Implicit cost (3 marks)		
OR	2014 - May [5] (b) (i)	Descriptive
Explain the following: Explicit costs (2 marks)		

Answer:

Explicit Cost: Explicit costs refers the cost, involving immediate payment of cash, such as - Salary, wages, commissions etc. Such costs are easily measurable it is also known as out of pocket cost.

Implicit Costs: It do not involved any immediate cash payment. It is also known an economic costs.

The main difference between Explicit cost and Implicit costs are:

1. Explicit costs involves immediate outflow of cash where as implicit costs do not involve immediate cash payment.
2. Explicit costs are entered in the books of accounts. Where as implicit costs are not recorded in the book of account.

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Q.10.2	2003 - May [2] (b), 2016 - Nov [7] (d) (ii)	Short Notes
Write short notes on		
(i) Conversion Cost		
(ii) Sunk Cost		
(iii) Opportunity Cost (2 marks each)		

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OR	2018 - May [6] (e) (i)	Descriptive
(e)	Explain: (i) Opportunity Cost.	(2.5 marks)

Answer:

- (i) **Conversion Cost:** It is the cost incurred to convert raw materials into finished goods. It is the sum of direct wages, direct expenses and manufacturing overheads.

Formula:

Conversion Cost = Direct Labour Cost + Direct Expenses + Manufacturing Overhead

Or

Conversion Cost = Factory Cost - Direct Materials Cost.

- (ii) **Sunk Costs:** Sunk costs are the historical costs which are incurred in the past. They play no role in decision making in the current period.
- (iii) **Opportunity Costs:** Opportunity costs refers to the value of sacrifice made or benefit of opportunity foregone in accepting alternative course of action. For e.g. a company accepts an expansion plan and for financing, withdraws money from its bank deposits. Then, the loss of interest on the bank deposits is the opportunity cost for carrying out the expansion plan. This cost plays an important role in managerial decision making process although these costs are not recorded in books of accounts.

— Space to write important points for revision —

Q.10.3	2009 - Nov [1] (i) (a), (b)	Descriptive
(i)	Define the following : (a) Imputed cost (b) Capitalised cost.	(2 marks)

Answer :

(a) Imputed Cost: Imputed costs are notional costs which do not involve any cash outlay. Examples of imputed cost are Interest on capital, the payment for which is not actually made, these costs are similar to opportunity costs.

(b) Capitalised Cost: Capitalised costs are costs which are initially recorded as assets and subsequently treated as expenses.

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Q.10.4	2012 - May [5] (b) (i) (ii) (iii) (iv)	Descriptive
State the types of cost in the following cases: (i) Interest paid on own capital not involving any cash outflow. (ii) Withdrawing money from bank deposit for the purpose of purchasing new machine for expansion purpose. (iii) Rent paid for the factory building which is temporarily closed. (iv) Cost associated with the acquisition and conversion of material into finished product. (4 marks)		

Answer:

Type of Costs

- (i) Imputed Cost
- (ii) Opportunity Cost
- (iii) Shut Down Cost
- (iv) Product Cost

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Q.11.1	1998 - Nov [7] (a)	Descriptive
Specify the methods of costing and cost units applicable to the following industries: (i) Toy making (ii) Cement (iii) Radio		

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- (iv) Bicycle
- (v) Ship building
- (vi) Hospital.

(3 marks)

Answer:

Industry	Method	Cost unit
Toy making	Batch	Per batch
Cement	Unit	Per tonne or per bag
Radio	Multiple	Per radio or per batch
Bicycle	Multiple	Per bicycle
Ship building	Contract	Per ship
Hospital	Operating	Per bed per day or per patient per day

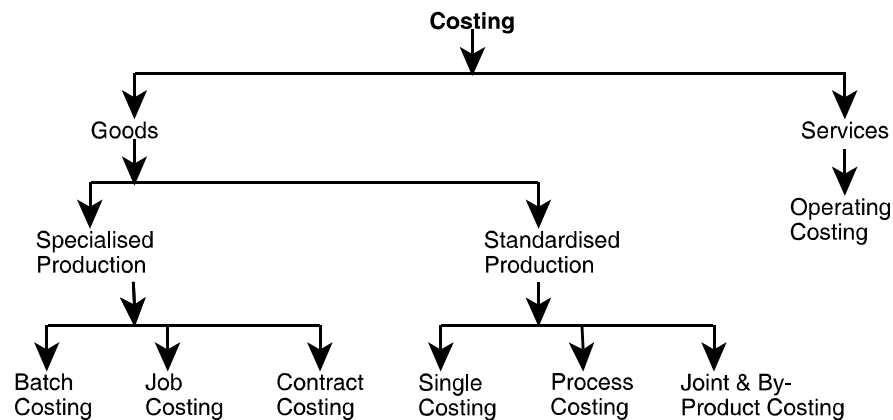
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Q.11.2 1999 - Nov [7] (a), RTP**Descriptive**

Discuss the four different methods of costing alongwith their applicability to concerned industry. (4 marks)

Answer:

The various method of costing can be summarised as under:



- 1. Batch Costing:** This costing is based on the concept of contract costing. This method is used to determine the cost of a group of identical or similar products. The batch costing of similar products is the unit and not single item within the batch. This method can be applied for the

production of nuts and bolts, medicines and other items which are manufactured in distinct batches.

2. **Job Costing:** This method is used in those concerns where production is carried out as per specific orders and specifications. Each job is separate and distinct from other jobs and products. This method is popular in enterprises engaged in house building, ship-building, machinery production and repairs etc.
3. **Contract Costing:** This method of counting, based on the principle of job costing, is used by house builders and civil contractors. The contract becomes the cost unit for which relevant cost are accumulated.
4. **Single or Unit Costing:** This method is used where a single item is produced and the final production is composed of homogenous units. The per unit cost is obtained by dividing the total cost by the total number of unit of units manufactured.
5. **Process Costing:** Under this method of costing, the cost of completing each stage of work is ascertained, like cost of making pulp and cost of making paper from pulp. This method is used in those industries where manufacturing is done continuously like chemicals, oil, gas paper etc.
6. **Multiple Costing:** This method is used in those industries where the nature of product is complex such as motor cars, aeroplanes etc. In such cases costs are accumulated for different component making the final product and then totaled to ascertain total cost of product.
7. **Operating Costing:** Ascertainment of cost of rendering or operating a service is called “service or operating costing”. It is used in case of concerns rendering services like transport, cinema, hotels etc. where there is no identifiable tangible cost limit.

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Q.11.3	2008 - Nov [1] (iv) (a) (b) (c) (d)	Descriptive
Answer the following : (iv) State the method of costing that would be most suitable for : (a) Oil refinery (b) Bicycle manufacturing (c) Interior decoration (d) Airlines company <div style="text-align: right;">(2 marks)</div>		

Answer :

The suitable method of costing for the following is :

(a)	Oil Refinery	Process costing
(b)	Bicycle manufacturing	Multiple costing
(c)	Interior decoration	Job costing but if on a larger basis then Contract costing
(d)	Airlines company	Operating costing

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Q.11.4	2014 - Nov [5] (a) (i) (ii) (iii) (iv)	Descriptive
Identify the methods of costing for the following: (i) Where all costs are directly charged to a specific job. (ii) Where all costs are directly charged to a group of products. (iii) Where cost is ascertained for a single product. (iv) Where the nature of the product is complex and method can not be ascertained. <div style="text-align: right;">(4 marks)</div>		

Answer:

Methods of costing are as follows:

- (i) Job costing
- (ii) Batch costing
- (iii) Single / Output costing
- (iv) Multiple costing.

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Q.11.5	2015 - Nov [5] (a) (i) (ii) (iii) (iv)	Descriptive
State the method of costing and also the unit of cost for the following industries: (i) Hotel (ii) Toy-making (iii) Steel (iv) Ship Building		
		(4 marks)

Answer :

- (i) **Hotel:**
- Method of costing used in hotel is **Operating Costing**.
 - The rate for unit of cost used is per room, per day or per half day or per bed for costing.
- (ii) **Toy - Making:**
- Method of costing used in toy making industry is **Unit Costing/Batch Costing**.
 - The unit of cost used in toy making industry is per unit of output of toy or per batch.
- (iii) **Steel:**
- The method of costing used in steel company is **Process Costing**.
 - The unit of cost used in costing is the percentage of output on the basis of the some factory or administrative overhead etc.
- (iv) **Ship Building:**
- The method of costing used in ship buildings is **Contract Costing**.
 - The unit cost or per unit used for ship building is Project or Unit.

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Q.11.6	2016 - Nov [7] (b) (i) (ii) (iii) (iv)	Descriptive
Give the method of costing and the unit of cost against the under noted industries: (i) Road transport (ii) Steel (iii) Bicycles (iv) Bridge construction		
		(4 marks)

Answer:

	Industry	Method of Costing	Suggestive Unit of Cost
(i)	Road transport	Operating Costing	Passenger km. or tonne km.
(ii)	Steel	Process Costing/Single or Unit Costing	Tonne/ Metric Tonne (MT)/Per kg/ per bar
(iii)	Bicycles	Multiple Costing	Number/per piece
(iv)	Bridge construction	Contract Costing	Project /Unit

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Q.11.7	2017 - Nov [5] (a)	Descriptive
Identify the methods of costing where: (i) all costs are directly charged to a specific job. (ii) all costs are directly charged to a group of products. (iii) the nature of the product is complex and method cannot be ascertained. (iv) cost is ascertained for a single product. (4 marks)		

Answer:

- (i) Where all costs are directly charged to a specific job → Job Costing.
- (ii) Where all costs are directly charged to a group of products → Batch Costing.
- (iii) Where nature of the product is complex and method cannot be ascertain → Multiple Costing.
- (iv) Where cost is ascertained for single product.
→ Unit Costing / Single Costing/Output Costing.

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