

Practical Learning Series

COSTAND MANAGEMENT ACCOUNTING

For CA Inter New Syllabus 2023

Applicable for May 2024 Examination and onwards

Highlights of this Book

- New Syllabus Full Coverage with Theory & Practical Questions
- About 500+ Solved illustrations with Step-by-Step Solution
- Concept Clarification through Charts & Graphs
- Fast Track Referencer of Formulae & Concepts
- Chapter overview for easy navigation of Topics
- Treasure Trove of Professional Exam Questions

Covering Topic wise MCQ's with Answers

CÁB. Saravana Prasath

1st EDITION August 2023

mercial Law Publishers (India) Pvt. Ltd.

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(An Institution providing Classes for CA Foundation,

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Sadaashiva Samaarambhaam Sankaracharya Madhyamaam Asmadaacharya Paryantaam Vande Guru Paramparaam

Many Salutations To
The Great Lineage of Teachers
Originating from the Ever-Blissful Lord Shiva,
The Sankaracharya,
And
To My Own Teachers.

PREFACE

This New Edition of Padhuka's Practical Learning Series - Cost and Management Accounting for CA Inter New Syllabus copper. CA Inter New Syllabus comes to you as a complete guide in a single handy book, with the following Key Features –

Easy Format and Structure: All principles / procedures / techniques / concepts and ideas have been arranged neatly in an All principles / procedures / techniques / Sub-Topics, so that the been arranged neatly in easy-to-read format, and numbered into Topics / Sub-Topics, so that the Student can understand the set of th Student can understand the subject easily.

- Explanation and Improved Presentation: The presentation in each Topic has been revised and explained better, to help the explained better. explained better, to help the Student remember the ideas / concepts / points more easily.

 Chapter Overview: The Student remember the ideas / concepts / points more easily.
- Chapter Overview: The Chapter overview at the beginning of every chapter will help the Student to navigate through each Ch. to navigate through each Chapter overview at the beginning of every enapter through each Chapter-Topic-Sub-Topic, in an organized and phase manner.

 Solved Hustration:
- Solved Illustrations: Around 600+ Fully Solved Illustrations have been provided, with step-wise presentation, organized into presentation, organized into separate headings, to cover every possible question type in each topic.

 Questions for Practice: A practice have been given at the
- Questions for Practice: Around 200+ Additional Questions for Practice, have been given at the end of each Chapter. Carrow 200+ Additional Questions for Practice, have been given at the end of each Chapter. end of each Chapter. Complete Answers to these can be obtained in Padhuka's Practical Guide to Cost & Management A. Cost & Management Accounting - For CA Inter.

- Diagrams and Tables: Diagrams, Charts and Comparative Analysis Tables have been added to enable the Student to enable the Student to assimilate the subject better.
- Fast Track Referencer: Fast Track Formula Referencer has been given for quick revision of the various formulae and a second formulae and a second formulae and a second formulae and formul various formulae and procedures in the Topics.

Latest Exam Solved Papers: Solved Papers upto Nov 2021 Exams have been included in the respect Chapters. May be a paper of the papers of the paper o respect Chapters. May and Nov 2022 + May 2023 Exam Solved Paper is given in the Initial Pages.

Effective Practice Country and Practice

Effective Practice Guide: The Book serves the purpose of Theory Concept Learning and Practice Questions to meet the Questions to meet the requirements of all types of Exam Questions.

At the Intermediate level, the Student is expected to be conversant with the concepts for preparation and the presentation is T. and the presentation in Exams. The Book has been drafted with the primary motive to help the students recapitulate the concepts and the Book has been drafted with the primary motive to help the students recapitulate the concepts and principles in an easy manner.

This New Edition has been possible only due to the constant motivation and support provided by Shri G Sekar FCA Shri G Sekar, FCA, and also the timely and quality-oriented assistance provided by an excellent team of Students. team of Students, Academicians and Professionals.

My sincere thanks to the Institute of Chartered Accountants of India for their permission to use questions from previous examinations and Revision Test Papers (RTP).

Many thanks to the Users of Padhuka's Publications, for their positive feedback, which reflects the benefits they have reaped from this Book, and also their keen interest to reciprocate with constructive suggestions.

I also thank the efforts and co-operation of the various Service Providers including the Publisher, in bringing out this New Edition and in quickly getting this Book in the current form.

Constructive Suggestions and Feedback from Users would be highly appreciated, gratefully acknowledged and suitably incorporated.

Chennai

With Best Wishes,

August 2023

B Saravana Prasath, FCA

Padhuka's Books for CA Inter New Syllabus Dear Students!

- Highlights of the Books
 1. Complete Coverage of Syllabus as prescribed by the Institute of Chartered Accountants of India.

 2. Fast Track Referencer as appropriate, for each Chapter, for Quick Revision
- or ropics.

 3. Important Theory Questions given at the end of each Chapter for reference.
- 3. Important Theory Questions given and a solution, in possible question type in a 4. Solved Illustrations with step-wise solution, in possible question type in a 4. Solved Illustrations with step-wise solution, and Advanced Accounting. Final
- Solved Illustrations with step-wise solution, Advanced Accounting, Financial topic for subjects like Accounting, Advanced Accounting, Financial Management, Taxation, Cost and Mgmt A/cing.
- 5. List of Standard Question Areas from each Topic.
- 6. Past Exam Questions and Questions from RTPs included.
- 7. Effective Tool for Students' Practice to aid Exam and Practical Learning.
- 8. Powerful Material to face Professional Exams with confidence.
- 9. Very Useful Practice Tool for Students whether they attend Classes or whether they are on self-study mode - to gain hands-on exam experience.

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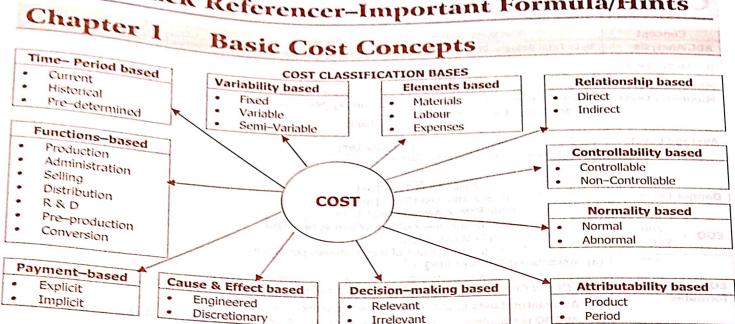
ICAI Syllabus and 100% Coverage in Padhuks's Book

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Fast Track Referencer-Important Formula/Hints



	FORMAT OF COST SHEET	~		
Section 1	Opening Stock of Raw Materials Purchases (include:	₹10,15		
Add:				
Less:	Purchases (including Carriage Inwards, Transit Insurance etc.) Closing Stock of Raw Materials Direct Management of Raw Materials			
	Direct Materials Consumed / Raw Materials Consumed Direct Labour	2		
Add:	Direct Labour	not E		
Add:	Direct Expenses	P		
	PRIME COST	(C) 1 2		
Add:	Factory Overheads (also called Works OH / Manufacturing OH / Production OH)	0		
	GROSS FACTORY COST / GROSS WORKS COST Opening Start Start Cost / GROSS WORKS COST			
Add:		3		
ess:	Closing Stock of Work–in–Progress Closing Stock of Work–in–Progress			
	FACTORY COST / WORKS COST	1510		
Add:	Ullality Control C- + cc .			
\dd:	Research and Development Cost (if any) Admitted to the cost (if any) Research and Development Cost (if any) Admitted to the cost (if any)	SULT MAST		
ldd:	Administrative Overheads relating to Production Activity (if any)			
dd:	Administrative Overheads relating to Production Activity (if any)	Titales Cir		
ess:	Credit for Recoveries / Scrap / By–Products / Miscellaneous Income	n. 4		
	COST OF PRODUCTION			
dd:	Opening Stock of Finished Goods	14 173		
ess:	(The find the be considered as cost of doods AVAILABLE FOR SALE.)			
	Closing Stock of Finished Goods	1		
ld:	COST OF GOODS SOLD	I man a		
10:	General Administration Overheads (also called Office OH / General OH / Management OH)			
	Selling and Distribution Overheads (also called Marketing OH)			
	COST OF SALES			
d:	Profit / Loss (Balancing Figure)			
	SALES - In no that we have a factorial for the same of			

Chapter 2 Materials

Concept	Formula for 0/ in tall
ABC Analysis	% in Total Value = 70%, 20% and 10% for A, B, C respectively, & vice-versa for % in total quantity.
Re-Order Level	1. Maximum Usage Rate × Maximum Lead Time [or]
Minimum Level	2. Safety Stock + Lead Time Consumption
Maximum Level	Re-Order Level - (minus) (Average Usage Rate × Average Lead Time) Re-Order Level + Re-Order Quantity - (minus) [Minimum Usage Rate × Min. Lead Time]
Average Level	1. Maximum Level + Minimum Level [or] 2. Minimum Level + 16 of Do Order Otto For]
Danger Level	 Min. Usage Rate × Min. Lead Time [or] Avg. Usage Rate × Min. Lead Time [or] Minimum Usage Rate × Average Lead Time
$EOQ = \sqrt{\frac{2AB}{C}}$	where A = Annual Requirement of Raw Materials (in units). B = Buying Cost per order.
EOQ related in the formulae	C = Carrying Cost per unit of Raw Materials per annum. (a) Associated Costs of EOQ = = Buying Costs p.a. + Carrying Costs p.a. = (No. of Orders × Cost per Order) + (Average Inventory × Carrying Cost p.u. p.a.) (b) Associated Costs of EOQ may also be computed as = \(\sqrt{2ABC}\) (c) At EOQ under Wilson's Formula, Buying Costs p.a.=Carrying Costs p.a.= \(\frac{1}{2}\) of Associated Costs p.a. Computation of EOO when Overtice P:

-	Computation of FOO where Court and Court and Court and Court plan.
Step	when Quantity Discounts are available
1	Determine various Order Simulation Procedure
2	Determine various Order Sizes by Trial and Error. The rules to be followed are — (a) One representation should be Find the number of orders for each Order Size spaces at
3	Compute Buying Costs per appear older Size Chosen above. No. of Orders = Appual Poguing
4	Compute Average Inventory = ½ of Order Size = ½ of Step 1.
3	Compute Carrying Costs 72 of Order Size = 1/2 of Step 1
6	Compute Associated Computer Service Computer Associated Computer Associated Computer Associated Computer Associated Computer Service Computer Associated Computer Associated Computer Service Computer Associated Computer Service
8	Compute Associated Cost per annum = Average Inventory × Carrying Cost per unit p.a. Determine Costs of Purchase p.a. for each price. Compute Total Costs p.a. = Associated C
9	Determine Costs of Purchase p.a. for each price. Compute Total Costs p.a. = Associated Costs + Costs of Purchase = Step 3 + Step 5. Decision: Quantity relating to Locat Total Costs = Step 6 + Step 6
Note:	Compute Total Costs p.a. = Associated Costs + Costs of Purchase = Step 6 + Step 7. Instead of Cost of Purchase p.a. under Stor 2. under Stor
	Decision: Quantity relating to Least Total Costs p.a. shall be selected as the EOQ. Step 6 Less Step 7.

Instead of Cost of Purchase p.a. under Step 7, Discounts received p.a. can also be considered. In such case, Step 8 COST / WORKS COST

RM Turnover Ratio = -Cost of Raw Materials Consumed Average Stock of Raw Materials

Quantity of Raw Materials Issued / Consumed Average Quantity of Raw Materials in Stock

Note: Cost of Raw Materials Consumed = Opening Stock + Purchases - Closing Stock

Average Stock of Raw Materials = ½ × [Opening Stock + Closing Stock] [or] ½ × [Max. Level + Min. Level] Number of Days average inventory is held = -

Material Turnover Ratio

Chapter 3 **Employee Cost**

1. Treatment of Idle Time Cost

Cost of **Normal Idle Time** is treated as a **regular part** of cost of production.

(a) either as Direct Wages by inflating the Wage Rate (for Direct Workers) or

Cost of Abnormal Idle Time constitutes a **Loss**, and debited to Costing P & L A/c. If it is controllable, the responsibility should be fixed on the person in default.

Machine Hour

-	2. Treatment of O	Accounting Treatment of Overtime Premium
-	Situation	Treated as Regular Cost of Production, as Direct Labour, by
1.	Due to genuine labour shortage.	inflating normal wage rate.
	At Customer's desire, e.g. immediate delivery, etc.	Charged to the Job directly. Such amount will be suitably recovered from the customer by charging at a higher rate.
3.	Irregular overtime to meet production requirements due to unexpected developments.	Charged to Job – treated as Factory Overheads.
4.	Due to fault of a particular department, e.g. non- availability of materials during normal time.	Charged to the department in default, in order to fix responsibility and prevent recurrence.
5.	Due to abnormal conditions, e.g. strike, etc.	Charged to Costing Profit and Loss Account as Loss.

3. Computation of Labour Turnover Without Expansion	Labour Turnover With Expansion
	1. Separation Method: $=\frac{S}{L}$
2. Replacement Method: $=\frac{R}{L}$	2. Accession Method: $=\frac{A}{L} = \frac{R+N}{L}$
3. Mixed Method: $= \frac{S + R}{1}$	3. Flux Method: $ = \frac{S + A}{L} = \frac{S + R + N}{L} $

S = Number of Separations, R = Number of Replacements, N = Number of New Joinings / New Recruitments,

A = Number of Accessions= Replacements + New Joinings / New Recruitments, (or)

Number of Workers at the end + Number of Separations (-) Number of Workers at the beginning.

L = Average Labour Force = [Number of workers at the beginning + Number of workers at the end]

4. Computation of Labour Productivity or Labour Efficiency (b) Based on Output:

(a) Based on Time: Efficiency = Standard Time allowed for Actual Output

Actual Output produced Efficiency = -Standard Output for Actual Time worked

bell as a company Actual Time taken

5.	Computation of		ages and incentive schemes
System		Form	ula for Wages
Simple Time Rate	Total Wages = Actual Hours Worked × Rate per hour.		
Simple Piece Rate	Total Wages = Actual Units produced × Rate per piece.		
	Total Wages = Basic + Bonus, and is calculated as under -		
HU L. THE BE	System	Basic Component	Bonus Component
Premium Bonus	Halsey	Hrs Worked × Rate p.h.	50% × Time Saved × Rate per hour
Systems (#UDITS	7	Hrs Worked × Rate p.h.	Actual Hours Standard Hours × Time Saved × Rate per hour

Chapter 4 Overheads

Concept		mand mala heapper Formula . It is not edivine temanique.		
Segregation of SV Costs – High and Low Points Method, etc.	Fixed Costs = Total Conte: The above prince Operating Hours	of Sales Value = Difference in Total Costs Difference in Sales Value er highest or lowest volume as Sales × Variable Cost % computed above. osts less Variable Costs as computed above. iple can also be used with Difference in Output Quantity or Difference in the Denominator (instead of Difference in Sales Value), to get Variable Cost per hour, as the case may be.		
VE 1	Type of OH	Output means		
Meaning of	Factory OH = Units sold + Closing Stock of Finished Goods + Closing Stock of WI			
Output for OH	AOH related to prodn = Units sold + Closing Stock of Finished Goods.			
	General AOH & SOH	= Units sold		

Padhuka's Practical Learning Series – Cost and Management Accounting – For CA Inter

Concept						
		ormula 3. Allocation				
Absorption	2. 010551110001	on 6. Recovery				
Costing Step	4. Apportionment 5. Re–apporti	onment Method				
4	Assumption	Direct Distribution Method. Direct Distribution Method, or Step Method, or				
	Service Departments do not serve one another.	Direct Distribution Method. es Step Ladder Method, or Step Method, or Step Ladder Method.				
Assumptions	One Service Department serves the other, but do	es Step Ladder Method, or Step Non–Reciprocal Services Method.				
and Methods in Re-	not take back services in return .					
apportionmer		Reciprocal Services Translation Technique (or Tr				
- Procedure	Service Departments serve one another.					
		of the Plant for which license has been issued by a				
	1. Licenced Capacity is the production capacity	Of the Figure 1				
0.0	2. Installed Canacity is the maximum prod	uctive capacity according to the Manufacturer				
	specification of machines / equipment.	and an outputity is the maximum pro-				
	pecinication of machines / equipment,					
	4. Normal Capacity is the capacity of a Plant,	 Practical Capacity = Maximum Capacity minus Normal / Unavoidable Time Normal Capacity = Maximum Capacity minus Normal / Unavoidable Time Normal Capacity = Maximum Capacity is the capacity of a Plant, which is expected to be utilised over a long period Normal Capacity is the capacity of a Plant, which is expected to be utilised over a long period Normal Capacity is the capacity of a Plant, which is expected to be utilised over a long period Normal Capacity is the capacity of a Plant, which is expected to be utilised over a long period 				
_	4. Normal Capacity is the capacity of a Plant, which is expected to be defined by the capacity of a Plant, which is expected to be defined by the capacity is the capacity of a Plant, which is expected to be defined by the capacity of a Plant, which is expected by the capacity of a Plant, which is expected by the capacity of a Plant, which is expected by the capacity of a Plant, which is expected by the capacity of a Plant, which is expected by the capacity of a Plant, which is expected by the capacity of a Plant, which is expected by the ca					
Capacity	capacity due to external factors. 5. Actual Capacity Utilization is the volume of production achieved, or actual operating hours.					
Concepts	5. Actual Capacity Utilization is the volume	of production achieved, of the production achieved, or the production achieved a				
	worked, in relation to installed capacity.	worked, in relation to installed capacity.				
	worked, in relation to installed capacity. 6. If Actual Capacity Utilization < Installed Capacity, the difference is called Idle Capacity (or)					
	rorecast Plant Idle Capacity.					
	8. Abnormal Idle Capacity is the difference between Practical Capacity and Normal Capacity or Abnormal Idle Capacity is the difference between Practical Capacity = Practical Capacity					
	Actual Capacity Utilization whichever is higher. So, Abnormal Idle Capacity = Practical (or					
	sometimes Normal) Capacity minus Actual Capacity Utilisation.					
Overhead	1. Direct Method (Rased on Output):					
Recovery	2. Indirect Methods: (a) Percentage of Direct Mater	rials, (b) Percentage of Direct Labour,				
Methods (c) Percentage of Prime Cost (d) Labour Hour Rate, (e) Machine Hour Rate						
1000	If Total OH include	Machine Hour Rate is called				
achine Hour	Machine-related Direct Costs only	Direct Machine Hour Rate				
ite Concepts	Machine-related Direct and Indirect Costs	Simple Machine Hour Rate				
	All Machine–related Costs + Operators' Wages	Comprehensive Machine Hour Rate				

Treatment of Difference in Absorption = OH Variance = Absorbed OH Less Actual OH

Absorbed OH is **greater than** Actual OH (Credit Balance in OH Control A/c)

OVERABSORPTION

(represents Savings in OH Expenditure)

Accounting Treatment (any one of the following)

- 1. **Write Off:** Small amounts may be credited to Costing P & L A/c.
- Deferral: May be carried over to next year, by transfer to OH Reserve A/c or Suspense A/c.
- Cost Reversal: In case of large amounts, cost of jobs may be reduced / adjusted by passing reversal journal entries.

Absorbed OH is **less than** Actual OH (Debit Balance in OH Control A/c)

UNDERABSORPTION

(represents Increase in OH Expenditure)

Analysed as due to -

Normal Reasons

e.g. genuine planning errors, changes in assumptions, etc.

Treated as increase in **COSTS**(using Supplementary OH

Recovery Rate), and
apportioned to production, i.e.—

Abnormal Reasons

e.g. Strike Period Wages, Labour Court Award, Obsolete Stores, Penalties paid, etc.

Treated as LOSS and debited to Costing P & L Account.

(Also see Note below)

Units Sold

Debited to ——— Cost of Sales A/c

Closing Stock of Finished Goods

FG Control A/c

Closing Stock of WIP

WIP Control A/c

Chapter 5 Activity Based Costing (ABC)

Concept			Point	s to remember	tracing resource consumption and
ABC — Meaning	Points to remember Points to remember The approach to the costing and monitoring of activities, and Activities to Cost Objects based on costing final outputs. Resources are assigned to Activities, and Activity Costs to Outputs." Consumption estimates. The latter utilise Cost Drivers to attach Activity Costs to Outputs."				
Cost Object & Cost Driver	 Cost Object – Item for which cost measurement is required. Cost Object – Item for which cost measurement is required. Cost Driver: Factor that causes a change in the cost of an activity. Cost process consumed by an activity & used to a sign the cost of a resource to an activity/ cost proclems. (a) Resource Cost Driver: Measure of quantity of demand, placed on activities by assign the cost of a resource to an activity/ cost proclems. (b) Activity Cost Driver: Measure of frequency and intensity of demand, placed on activities by cost objects. Cost objects & used to assign activity costs to cost objects. Note: Selection of Cost Drivers is dependent upon – (a) Degree of Correlation, (b) Cost of Measurement. 				
	Step	Andrew Company of the Parket o	AND THE PERSON NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PERSON NAMED ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND	Particulars	Secondary, A. A. Sala
	1	Identify yar	ious activities within the Fin	m into - Primary &	Secondary
2	2				
Stages in	3				
ABC	4	Determine	osts of Support activities of Activity Cost Drivers for eac	h Activity/ Cost Poo	. Cont Driver
	5	Compute Al	Activity Cost Drivers for eac BC Rate = Total Cost of Act	ivity (Cost Pool) $\div I$	Activity Cost Driver
	6	Assign Cost	BC Rate = Total Cost of Act s to Cost Objects using for	nula-Resources Co	insumed × ABC Rate
without of Trements	-	ticulars	Traditional Absorpt	tion Costing	Activity Based Costing
			Places / Cost Centres / De	partments.	Activities grouped into Cost Pools.
	OH related to Activity Ascertainment		Only – (a) Unit Level Activities (Variable), and (b) Facility Level Activities (Fixed) may		4 levels of activities, (a) Unit Level, (b) Batch Level, (c) Product Level, and (d) Facility Level, are identified.
Lister of	6.4.1.1.1		be identified. Costs related to Places / Cost Centres.		Activities and Causal Factors.
Traditional	Cost related to Costs related to Places / Co		ed as the only	Activity-wise Cost Drivers identified.	
Absorption	Cost Drivers		Time (Hours) is assumed as the only "causal factor" governing cost.		7
Costing & ABC	Single & Multiple Cost Drivers		Only Single Cost Driver for each dept.		Multiple Cost Drivers can be identified. Most dominant is chosen.
AR KA		ery Rates	Either multiple rate department)/ single rate factory) may be used.	es (for each e (for the entire	Specific activity—wise recovery rates are used. There is no "single" or "overall" ABC Rate.
	Cost A	ssignment	Costs are assigned to C products, or jobs or hours	ost Units, i.e. to	Costs are assigned to Cost Objects.
	Cost C	ontrol	Not suitable for cost control.		Suitable for Cost Control.
-	-	Value-Adde	ed Activities (VA)	Non-Value-Added activities (NVA)	
	perforr	mance of the		Additional and extraneous activities, not fully necessary for product performance / utility.	
	Customers perceive as adding usefulness to the product or service that they purchase.		If eliminated, this will not reduce the actual or perceived value customers obtain by using the product or service.		
VA vs NVA			ernal/internal customer.	Work not valued by the external or internal customer.	
Activities	They improve or maintain the quality or function of a product. VA activities result in "costs" and not in losses.			NVA activities do not improve the quality or function of a product or service, NVA activities create waste, result in delay of some sort.	
	Making product more versatile for certain other uses.		Expediting due to work delays, cost of re-work of defectives, etc.		
	To simplify VA Activities and manage "costs".		rities and manage "costs".	To eliminate NVA	Activities and avoid "losses".
.Elcnesser t. er	 The use of ABC as a costing tool to manage costs at activity level is known as Activity Based Cos Management (ABM). ABM utilises cost information gathered through ABC. 				
MBA Waqes. If any	(a)		ion of the activities that ha Costs to Cost Pool for each		ne Firm.

Concept	Points to remember				
	(c) Spreading of Support Activities Costs across the Primary Activities. (d) Determine the activity				
	(d) Determining Cost Driver for each activ	vitv.			
	(e) Assigning the cost of Activities to Pro	ducts, according to product demand for Activities.			
D 41	Rusings A	ustion 2 Activity Based Budgeting, 3. Business Pro-			
Others	engineering (BPR), 4. Benchmarking, 5. Perform	uction, 2. Activity Based Budgeting, 3. Business Process			
others	Ronost (BPR), 4. Benchmarking, 5. Perform	mance Measurement addet Implementation, 3. Cost Definition, 4. Management.			
	Desiries of ABM: 1. Cost Reduction, 2. Bu	aget implementation, Managem			
	Decision Making & 5. Efficient Resource Utilisati	ARM			
WIT THAT I THE	ABC	Focusses on planning, execution & measurement activities as the key to competitive advantage.			
	Technique of determining cost of activities &	Focusses on planning, execution & measurement			
ABC Vs. ABM	cost of output produced.	activities as the key to competitive advantage.			
	Aims to generate improved cost data for use	Aims to use information given by ABC, for effect business processes and profitability.			
A Medium Trans.	in managing activities.				
	TA !- !!	It is a conceptual aspect.			
		1 11 11			
ABB	the Firm, to derive a cost–effective budget.	1. Activity Based Budgeting (ABB) is a process of planning and controlling the expected activities of the Firm, to derive a cost-effective budget, that meets forecast workload and agreed strategic goals. 2. Key Elements are = (a) Type (b) Quantity and (c) Cost of work / activity to be performed.			
700]				
	Advantages: (a) Better Cost Analysis (b) Better Cost Control, (c) Management Focus (d) 5				
	Management, and (e) Realistic Approach.	Resour			
DPP	1. Benefits: (a) Better Cost Analysis (b) Rette	er Pricing Decisions (c) Better Management (c)			
OFF.	Benefits: (a) Better Cost Analysis, (b) Better Pricing Decisions, (c) Better Management of Stores and Warehouse Space, and (d) Rationalisation of Product Ranges.				
Customer Using ABC, profitability can be analysed customer group—wise, since ABC creates cost					
	Using ABC, profitability can be analysed customer group—wise, since ABC creates cost pools for activities. Customers use some activities but not all, and different groups of customers have different to the different by the dif				
Inalysis	Trolles. Hence analysis of relative profitability hand				
	is called Customer Profitability Analysis.	ased on customer category and related decision-making			
DIE TENT DE	heat	The state of the s			

	Format of DPP Statement Post Particulars / Product	_A war	1 1121	Ascertain		_
	Selling Price per!	Mao A	В	C	D	-
Less:	Bought-in-Price per unit	XX et XX	XX	TIOT XX	XX	To
(Gross Margin per unit	9 XX	XX	XX.	XX	
ess:	Directly Attributable Product Costs	XX	XX	XX	XX	11
	. Warehousing and Storage Costs	XX	AX I	S XX	XX	
		XX	XX	XX CENT	XX	
		XX	₹XX 5	(1 XX)	XX	
4.	. Inventory Financing Costs	XX	XX	XX	XX	
D	Pirect Product Profit per unit	XX	XX.	XX	XX	
:55: In	ndirect Costs and Common Overheads	XX	XX	XX XX		
Ne	et Profit	Jul William			XX	
A hari	AND PARTY OF THE PROPERTY OF THE PARTY OF TH	inte for	N	Hibbs 11.		

Chapter 6 Cost Accounting Systems

£ 1.	Name of Account	Ccounts maintained under Non-Integrated System Debited with
1.	Stores Ledger Control Account [or] Raw Materials Control Account	Receipt of Materials in Stores Department, i.e.— Cost of Purchases including Carriage Inwards, Materials Returned from Production Credited with Materials Issued to — (i) Jobs (i.e. to WIP), (ii) Repairs Work (Factory OH), (iii) Office (Administration OH), (iv) Sales Department (and in the second of t
2.	Wages Control Account	Wages Paid. Materials returned to Vendor. Normal and Abnormal Loss of Material Wages analysed into — Direct Wages, Indirect Wages, Abnormal Idle Time / OT Wages, if an

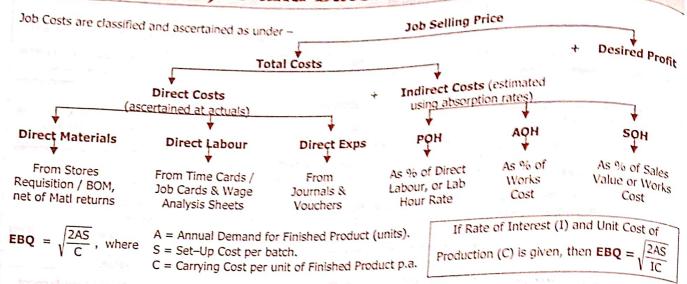
			Credited with
-	Name of Account	Debited with	and absorbed to production in
3.	Factory OH Control Account [or] Production OH Control Account	Factory OH incurred i.e. – Indirect Material consumed, Indirect Wages,	 Factory OH absorbed to production, i.e. transfer to WIP Control A/c. Adjustment for Underabsorption, if any.
4.	WIP Control Account [or] Job Ledger Control Account	 Indirect Expenses. Factory Cost items of Jobs i.e. — Indirect Materials, Direct Materials, Direct Wages, 	 Factory Cost of Production, i.e. transfer to Finished Goods Control Account. Abnormal Loss in Production Department, if any.
5.	Administrative Overhead Control Account	Factory Overheads absorbed. AOH incurred.	AOH absorbed to goods produced or transferred to Cost of Sales A/c. (Note)
6.	Finished Goods Control Account [or] Stock Ledger Control Account	 Factory Cost of Production, & Administrative Overheads absorbed, Cost of goods returned by 	 Total Cost of Goods Sold, i.e. transfer to Cost of Sales Account. Abnormal Loss in Warehouse, if any.
7.	Selling and Distribution Overheads Control Account	Customers, if any. Selling and Distribution Overheads incurred.	S & D OH absorbed to units sold, i.e. transfer to Cost of Sales Account.
8.	Cost of Sales Account	 Cost of Goods Sold, & Selling & Distribution OH absorbed. 	Total Cost of Sales, i.e. transfer to Costing P&L A/c.
9.	Sales Account	Transfer to Costing P & L A/c.	Fland province Sales Value.
10.	Abnormal Loss Account	Abnormal Loss of Materials, Abnormal Idle Time Wages, Overheads etc.	Transfer to Costing Profit and Loss Account
11.	General Ledger Adjustment Account	 Sales made during the period, Net Loss for the period, if any, transferred from Costing P&L A/c. 	 Cost of Materials Purchased, Wages Paid, Various OH incurred and Depreciation, Profit for the period transferred from Costing P&L A/c.

Note: AOH related to Production Activity is transferred to Finished Goods Control A/c (or alternatively to WIP Control A/c), while General AOH is transferred to Cost of Sales A/c.)

Dr.		randu	m Reconciliation Account and The principles of t	Cr.
	Particulars	₹	Particulars	₹
To To	Loss (if any) as per Financial Books b/fd Overheads over—absorbed in Cost Books — Factory / Administration / S&D Overheads Non—operating Incomes e.g. Interest, Dividend credited only in Financial Books Opening Stocks (RM, WIP, FG) under valued in Financial Books	Avery thod, er Pro	By Profit as per Financial Records b/fd By Overheads under—absorbed in Cost Books — Factory / Administration / S&D Overheads By Non—operating Expenditure, Income Tax, Write offs, etc. debited only in Financial Books By Opening Stocks (RM, WIP, FG) over valued in Financial Books	CI Meti Appi
To To	Closing Stocks (RM, WIP, FG) over valued in Financial Books Profit as per Cost Records (bal. figure)	rdark ity Co L J Mo	By Closing Stocks (RM, WIP, FG) under valued in Financial Books By Loss (if any) as per Cost Records (bal. figure)	
		Ipnie	Total	

- 1. Identify the item causing difference e.g. Production Overheads, Goodwill written—off etc.
- 2. See whether the item relates to the Debit or Credit side of the Financial P.& L. Account.
- Ascertain the direction of the change i.e. whether the amount is to be increased or reduced in order to arrive at the figure as per the Cost Records.
- 4. If the amount is to be increased, record the difference in the same side, if the amount is to be reduced, reverse the difference by posting it in the opposite side. [Refer Chapter 6 in the Book for **Reconciliation Decision Table**]

Chapter 7 Job and Batch Costing



Chapter 8 Single/ Output / Unit Costing

Concept	Single / Output / Unit Costing is applied in situations where Standardised Product(s) is / are produced from a single process. In other words, Output is identical, and each unit of output requires identical cost.
Examples	Industries which produces single output or a few variants of a single output. Examples: Quarries, Brickworks, Colliery, Paint Manufacturing, etc. Primary Focus Area is preparation of Product Cost Sheet.
Costing	The principles of Cost Ascertainment are the same as applicable for Job Costing as in Chapter 7.

Chapter 9 Joint and By Products Costing

Concept	Formula
Methods of Joint Cost Apportionment	1. Physical Quantities Method, 2. Average Unit Cost Method, 3. Survey/Technical Evaluation Method, 4. Contribution Margin Method, and 5. Market Value Methods — (a) Sale Value at Split Off Point, (b) Sale Value after Further Processing and (c) NRV at Split Off Point
Accounting for By—Product Revenue	1. Cost Recognition Methods – (a) Market Value, (b) NRV, (c) Standard Cost, (d) Comparative Price, and (e) Re – use or Opportunity Costs 2. Revenue Accounting – (a) Low, (b) Moderate, and (c) High Revenue situations

	Further Processing Decisions leto?
Step	Procedure
n:141	Compute Additional Revenue = Sale Value after further Processing Less Sales Value at Split off.
2	Compute Additional Costs = Further Processing Costs + S & D OH if any.
3	Compute Additional Profit = Additional Revenue Less Additional Costs.
4	Decide: If Additional Profit ≥ 0, process further. If not, sell at split off point.
orti 16	SPORT OF CO. CO. S. P. E. S. P. P. C. S. J. S. STORNOW, G. P. C. S.

Chapter 10 Process Costing

Accounting Procedure for Process Losses: Stage A: LOSS ANALYSIS Procedure Procedure Procedure Procedure	rd .
Shan procedure	
1 Compute Process Loss = Input Quantity Less Output Quantity. 2 Determine 2 De	
1 Compute Process Loss = Input Quantity Less Output Quantity. 2 Determine Normal Loss Quantity, either based on Input or Expected Production. 3 Compute Abnormal Loss or Abnormal Gain, as the case may be. [Step 1 Less Step 2]	M

3	Compute Abnormal Loss or Abnormal Gain, as the case may be: e
Stage	B: COST ANALYSIS Procedure
Step	procedulation and
1	(a) Determine Gross Cost, i.e. Total of Debit Side of Process Account, and (b) Determine Gross Input Quantity, i.e. Total Input Quantity for the Process. Determine Normal Loss Quantity, and Scrap Value, if any, of Normal Loss. (a) Compute Not Cost Cost Less Scrap Value of Normal Loss. Normal Loss Quantity.
2	Determine Normal Loss Quantity and Scrap Value, if any, of those
3	(a) Compute Net Cost = Gross Cost Less Scrap Value of Normal Loss Quantity. (b) Compute Net Expected Output = Gross Input Quantity Less Normal Loss Quantity. Net Cost = Step 3(a) (This is called as Good Unit Rate)
4	Compute Effective Cost per unit = $\frac{\text{Net Cost}}{\text{Net Expected Output}} = \frac{\frac{\text{Step 3(b)}}{\text{Step 3(b)}}}{\text{Step 3(b)}}.$

		Net Expected Output
Stag	e C: VALUATION: The various	items are valued as under— Basis of Valuation
-	Item	
1	Units Produced & Transferred	Effective Cost per unit as per B(4) above.
2	Normal Loss	Scrap Value only. R(4) above. (Note: Abnormal Loss is considered as
3	Abnormal Loss	Scrap Value only. Effective Cost per unit as per B(4) above. (Note: Abnormal Loss is considered as Deemed Good Production, and is valued, as if it were good units produced.) Deemed Good Production, and is valued, as if it were good units produced.) Effective Cost per unit as per B(4) above. (Note: Abnormal Gain constitutes Actual Effective Cost per unit as per B(4) above.
4	Abnormal Gain	Effective Cost per unit as per B(4) above (excessive) Good Production.)

		(excessive) dood !
Sta	ge D: SCRAP REALIS	SATION ENTRIES (Abnormal Loss / Gain Accounting) SATION ENTRIES (Abnormal Loss / Gain Accounting)
1	Normal Loss A/c	Debit with Normal Loss Quality and of sale of scrap. Coadily with amount realized by way of sale of scrap.
2	Abnormal Loss A/c	 Debit with Abnormal Loss Quantity during the properties of the properti
3	Abnormal Gain A/c	• Credit with Abnormal Gain Quantity and Value Process Loss < Normal Loss.

	United to the state of the stat
EQUIVALE	NT PRODUCTION: The following steps are involved —
Sten 1	Input - Output Reconsiliation of quantities on physical basis.
Step 2	Determination of Percentage of Completion and Computation of Equivalent Production.
Step 3	Computation of Cost per equivalent unit.
Step 4	Apportionment of Total Cost over Production, Abnormal Loss and Closing WIP.
Step 5	Preparation of Process Account.

Note: Before applying the above steps, Students are first required to decide on the following –

- 1. Method of Valuation, i.e. FIFO or WAC:
 - (a) FIFO Method should be used if (i) degree of completion for Opening WIP is given, and (ii) Cost break-up of Opening WIP is not given.
 - (b) WAC Method should be used if (i) degree of completion for Opening WIP is not given, and (ii) Cost break-up of Opening WIP is given.
- First Process or Subsequent Process:
 - (a) For the First Process, the Cost Elements are (i) Material, (ii) Labour and (iii) POH.
 - (b) For any Subsequent Process, the Cost Elements are (i) Material A i.e. transferred in material from the previous process, (ii) Process B Direct Material Input into the Subsequent Process, (iii) Labour and (iv) POH.

	Explana	ation for Steps	
Step 1 Input – Output Reconciliation	 (a) Compute Total Input during the period = Opening WIP units + Fleshly had a computed from the period in the period of the computed from the period in the period in the period of the computed from the period in t		
	Item	WIP and compute Apriormal 2009 Percentage of Completion	
Step 2 Percentage of	(a) Transfer to next process out of – (i) Opening WIP	100% Less Percentage completed in the prior period, i.e. balance Percentage of Completion.	
Completion and Equivalent	(ii) Fresh Units introduced	100%	
Units	(b) Normal Loss	NII	
(See Note	(c) Abnormal Loss	100% (generally) or as specified in the Question for Scrap.	
below)	(d) Closing WIP	As specified in the Question.	
		100% (quantity written within brackets to signify subtraction)	
Step 3 Cost per Equivalent Unit	 (a) This is obtained by dividing the Cost (Materials, Labour & POH) by the respective equivalent units. (b) Scrap Value of Normal Loss, if any, is reduced from the Cost of Materials. In case of second or Subsequent Process, it is reduced from Cost of Material A, i.e. Previous Process Raw Material. Subsequent Process, it is reduced from Cost of Material A, i.e. Previous Process Raw Material. (c) Under WAC Method, the Total Cost (Opening WIP Cost + Current Cost) is determined for 		
Step 4: Cost Apportionment	Total Cost is apportioned over Production, Abnormal Loss and Closing Will by Malaphying the		
Process	Costs are debited to the Process Account. The credit side is updated using the ligares determined in Step 4 above. Under FIFO method, Cost of Production consists of Cost of Opening WIP and Cost of		
Note: Under FIFO Method, in case of Second or Subsequent Processes, Material A is regarded as 100% complete in al			
vote: Under FIFO I	Method, in case of Second or Subsequent	III Processes, material 1	

Chapter 11 Service Costing

respects, except for transfer out of Opening WIP units and Normal Loss.

Concept	Operating Costing is the method of ascertaining the costs of providing / operating / rendering a service.		
Panga	 Hospitals Hotels Guest Days, Room Days. 		
Examples of Cost Units	3. Passenger Transport – Kilometres, or Passenger–Kilometres. 4. Cargo Transport – Quintal–Kilometres or Tonne–Kilometres [See Note below]. 5. Canteens – Number of meals served, Number of tea cups sold etc. 6. Electricity Supply – Kilometres, or Passenger–Kilometres. Number of meals served, Number of tea cups sold etc. Kilowatt Hours (KWH). [Note: This is called as Power "Unit"] Rough Transport – William Transport – William Transport – Number of Toles, Number of Shows. Number of Person–Days / Person–Weeks / Person–Months.		
Operating Cost Statement	 Cost Collection: Costs are accumulated for a specified period, viz, a month, a quarter, or a year, etc. Cost Classification: The costs so accumulated are classified under the following three heads – (a) Fixed Costs or Standing Charges, (b) Variable Costs or Running Charges, (c) Semi-Variable Costs or Maintenance Costs. Note: When information about interest is specifically given, it is treated as a Fixed Cost. 		
Absolute & † Commercial	 Absolute (Weighted Average) Tonne–Kms: Each Route Distance × Respective Load Quantities. Commercial (Simple Average) Tonne– Kms: Total Distance (i.e. Kms) × Avg Load Quantity (Tonnes) 		

First Process or Subsequent Process:

In Fact, (ii) Labour and (iii) POH.

In Factor Process, the Cost Elements are – (i) Material A – i.e. transferred in material from the previous (b) Factor Subsequent Process, the Cost Elements are – (i) Material A – i.e. transferred in material from the previous process, (ii) Process B – Direct Material Input into the Subsequent Process, (iii) Labour and (Iv) POH

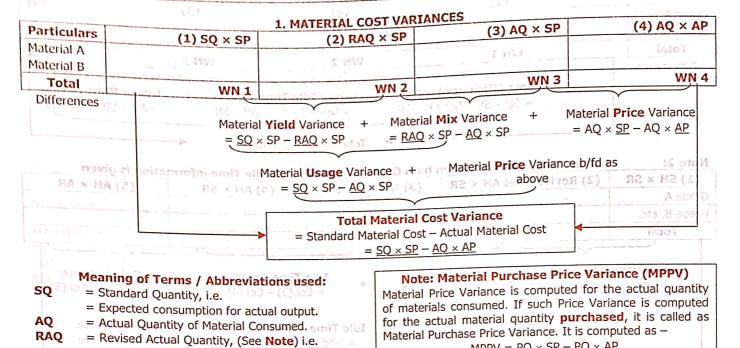
 $MPPV = PQ \times \underline{SP} - PQ \times \underline{AP}$

SP = Standard Prices, and AP = Actual Prices.

Where -PQ = Purchase Quantity,

if ejoif

Chapter 12 Standard Costing



Note: RAQ can sometimes be referred as RSQ (Revised Standard Quantity).

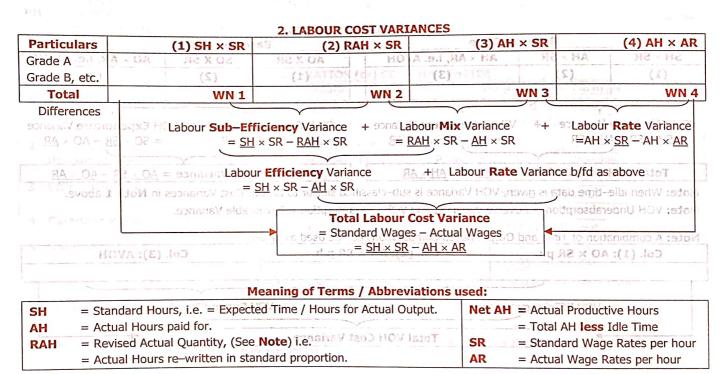
= Actual Quantity re—written in standard proportion.

= Standard Price per unit of material consumed.

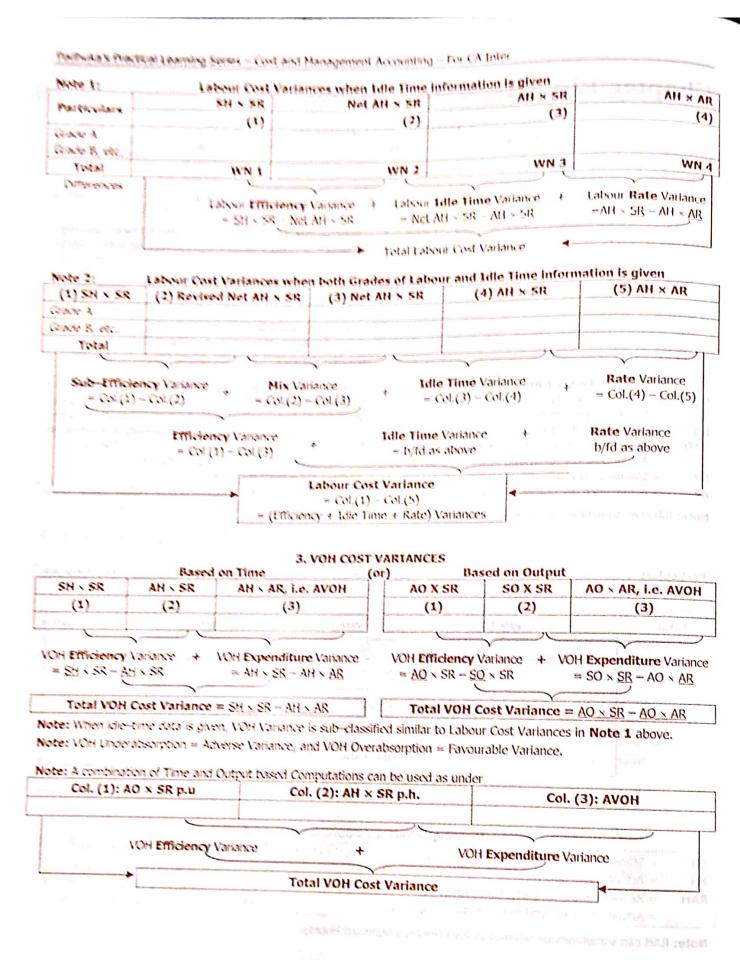
= Actual Price per unit of material consumed.

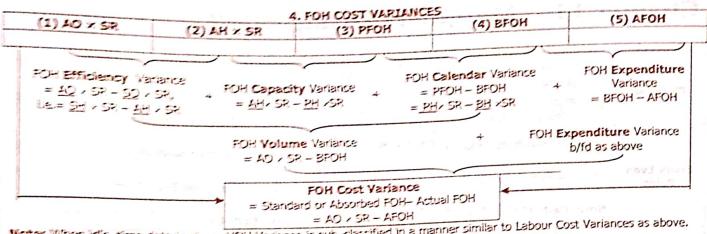
SP

AP



Note: RAH can sometimes be referred as RSH (Revised Standard Hours).





Note: When idle-time data is given, VOH Variance is sub-classified in a manner similar to Labour Cost Variances as above.

Meaning of Terms / Abbreviations used:

= Standard Rate per Unit or per Hour, as the case may be. SR

AO = Actual Output 20 = Budgeted Output. 50 = Standard Output, i.e.

= Expected Output for Actual Hours worked.

= Possible Output, i.e. PO

= Expected Output for Actual Days worked.

= Actual Hours worked. AH

Net AH = Total AH – Idle Time, wherever applicable.

= Budgeted Hours. BH

= Standard Hours, i.e. SH

= Expected Time Allowed for Actual Output. = Possible Hours,

PH= i.e. Expected Hours for Actual Days worked.

= Actual Days, BD = Budgeted Days. AD

ay b	Time- based	Output- based	This represents
1.	SH×SR ph =	AO×SR pu =	Standard or Absorbed Fixed OH
2.	AHXSR ph =	50×SR pu ≃	Std Cost of Actual Hours worked
-	BH×SR ph =	BO×SR pu =	Budgeted Fixed OH
3. 4.	PHXSR ph =	PO×SR pu =	Possible Fixed OH

AFOH = Actual Fixed Overhead.

BFOH = Budgeted Fixed Overhead.

PFOH = Possible Fixed Overhead = Expected Fixed OH for AD

Actual Days worked = BFOH × BD

	6. BUDGET-RATIOS (or) CO	Output-Based Formula
Ratio	Time—Based Formula	Budgeted Output
1. Budgeted /Std Capacity Usage	Budgeted Hours Practical Plant Capacity Hours	Practical Plant Capacity Output
Ratio	Actual Hours (a) Actual Hours	Standard Output (or) Standard Output Possible Output
2. Actual Capacity Utilisation Ratio	Budgeted Hours Possible Hours	Actual Output
B. Efficiency Ratio	Standard Hours Actual Hours	Standard Output Possible Output
	Actual Days (or) Possible Hours Rudgeted Days Rudgeted Hours	Budgeted Output
. Calendar Ratio	Budgeted Days Budgeted Hours Standard Hours	Actual Output Budgeted Output
 Volume or Level of Activity Ratio 		to Capacity Ratio is also relevant for Management-

Alternative Computation of Capacity Ratio: The following view as to Capacity Ratio is also relevant for Management-Actual Hours , and [Note: See Item 2 (1st Formula) in Table] (a) Actual Usage of Budgeted Capacity Ratio =

(b) Actual Capacity Usage Ratio = Actual Hours | Note: See Item 2 (2nd Formula) in Table]

Chapter 13 Marginal Costing

PV Ratio	Total Contribution Total Sales Value Change in Contribution Change in Sales (a) Break Even Point (in Rs.)	$ \times 100 \text{ (or)} \frac{\text{Change in Profit}}{\text{Change in Sales}} \times 100 \text{ (or)} = 100\% \text{ Less Variable Cost Ratio.} $ $ = \frac{\text{Fixed Costs}}{\text{PV Ratio}} \text{ (This is denoted as Break Even Sales Value)} $ $ = \frac{\text{Fixed Costs}}{\text{Fixed Costs}} \text{ (This is denoted as Break Even Quantity).} $		
Break Eve	Change in Contribution Change in Sales (a) Break Even Point (in Rs.)	 (or) Change in Profit / Change in Sales (or) = 100% Less Variable Cost Ratio. (or) = 100% Less Variable Cost Ratio. (change in Sales / This is denoted as Break Even Sales Value) (This is denoted as Break Even Quantity). 		
Break Eve	(a) Break Even Point (in Rs.)	Fixed Costs (This is denoted as Break Even Quantity).		
	(b) Break Even Point (Qtty)	Fixed Costs (This is denoted as Break Even Quantity)		
	Note: Cash BEP (in ₹)=	ash Fixed Costs (b) Cash Der (c) Contribution per onic		
muncle as	Note: Cash BEP (iii ()=	a sect on Profits		
	Level of Sales	[Contribution < Fixed Cost]		
Significanc	Less than BEP	Firm incurs Losses. [Contribution = Fixed Cost]		
of BEP	Equal to BEP	No Profit & No 2005.		
The second secon	Canton than DED	Firm earns Pronts.		
herimal/ s	(a) Margin of Safety (in Rs.) =	= Total Sales Less BEP Sales (or) PV Ratio per not Judited be oscillated as Profit of Supplier of Sales (or)		
Margin of Safety	Margin of Safety (b) Margin of Safety (Qtty) = Total Sales Qtty Less BEQ (or) Contribution per Unit			
HIT I WAY I TO	Note: MOS can also be expres	ssed as a % of Total Sales. Difference in Fixed Costs		
HG Part :		Mittarani e in linea de l'ini i e la l'arianie l'Ust Natio		
Indifference Point	(b) Indifference Point (units)= \overline{D}	Difference in PV Ratio Difference in Fixed Costs Difference in Fixed Costs Or Difference in Fixed Costs Difference in Variable Cost per Unit Most Profitable Option to be chosen		
E1 140 1. 1911 C	Level of Sales	MOST PROTECTION SET		
Significance	Below Indifference Point	Option with Lower Fixed Cost		
of	At Indifference Point	Both options are equally profitable. Both options are equally profitable.		
Indifference Point	At Indifference Point	At Indifference Point Above Indifference Point Above Indifference Point (a) Shut Down Point (Rs.) = Avoidable Fixed Costs PV Ratio PV Ratio Avoidable Fixed Costs PV Ratio PV Ratio Posicion		
Point	Above Indifference Form	idable Fixed Costs (b) Shut Down Point (Qtty)= Contribution per Unit		
Shut Down	(a) Shut Down Point (Rs.)=	PV Ratio June vilagas inala lenitra 19 seulare		
Point	CINTERNAL TERMS	DECISION WAS A STATE OF STATE		
	Level of Sales	Close down Operations		
Significance	Below Shut Down Point	Continue Operations Outside Continue Operations		
of Shut	At Shut Down Point	Continue Operations Continue Operations		
Down Point	Above Shut Down Point	h the Total Sales line cuts the Total Cost line. It is shown as aligned		
Angle of Incidence	Above Shut Down Point Above Shut Down Point And: This is the angle at which the Total Sales line cuts the Total Cost line. It is shown as angle (theta). If the angle is large, the Firm is said to make Profits at a high rate and vice versa. (theta). If the angle is large, the Firm is said to make Profits at a high rate and vice versa. (theta). If the angle is large, the Firm is said to make Profits at a high rate and vice versa. (theta). If the angle is large, the Firm is said to make Profits at a high rate and vice versa. (theta). If the angle is large, the Firm is said to make Profits at a high rate and vice versa. (theta). If the angle is large, the Firm is said to make Profits at a high rate and vice versa. (theta). If the angle is large, the Firm is said to make Profits at a high rate and vice versa. (theta) is large, the Firm is said to make Profits at a high rate and vice versa. (theta) is large, the Firm is said to make Profits at a high rate and vice versa.			
Key Factor	Key Factor represents a resource constraint situation. It is a factor,	e whose availability is less than its requirement. It denotes the recommendation which at a particular time or over a period limits the activities of a Firm.		
Decision aking with ey Factor	 Identify the Key Factor. Compute Total Contribution of Compute Contribution Per United States 	r Contribution per unit of the product. It is not a supplied to the Key Factor, i.e. Contribution per Direct Labour Hour, Contribution on tribution per unit of the Key Factor. ed on Ranks given above, and other conditions specified in the question		

Chapter 14 Budgetary Control

Concept	Formula Charle of Significant Goods	
Budgeted Production	= Budgeted Sales (+) Closing Stock of Finished Goods (-) Opening Stock of Finished Goods = Budgeted Sales (+) Closing Stock of Finished Goods	
Budgeted RM Usage	= Budgeted Sales (+) Closing Stock of Time = Budgeted Production × Raw Material Usage per unit of output = Budgeted Production × Raw Material Usage per unit of output	
Budgeted RM Purchase		
Budgeted RM Costs	Cost of RM Consumed = Budgeted RM Purchase × Raw Material Price Budgeted RM Purchase × Raw Material Price	
Budgeted Hours Usage	Cost of RM Purchase = Budgeted RM Budgeted Production × Direct Labour Hours required per unit of output	
Budgeted No. of workers	Budgeted Hours Usage	
- tiled	Hours per worker	
Budgeted Labour Costs	Cost of Direct Labour - Rudgeted Hours Usagex Wage Rate per hour	
Flexible Budgets	 Variable Costs increase proportionately based on output levels. Fixed Costs remain constant at the same output, at all output levels. Semi-Variable Costs change as per the details available in the question. 	

Question Types in each Chapter

	Chapter Name	Question Type		
1.	Basic Cost Concepts	Use of Simultaneous Equations in Basic Cost Analysis		
2.	Materials	 ABC Analysis EOQ Computation and Discount Analysis Stock Levels Material Turnover Ratios Landed Cost of Materials Pricing of Material Issues & Valuation of Inventory Stock—Out and Probability Analysis 		
3.	Labour	 Treatment of Idle Time Cost Treatment of Overtime Premium Labour Turnover Rates Wage Payment Systems – (a) Time and Piece, (b) Halsey and Rowan,, etc. Group Bonus Schemes 		
4.	Overheads	 Segregation of Semi–Variable Expenses Capacity Concepts Re-apportionment of Service Department Expenses under 3 Methods Recovery / Absorption using different methods and Machine Hour Rate Treatment of Absorption Differences 		
5	Activity Based Costing	Basic Computations Cost Statements under Traditional and ABC Systems Profit Statements under Traditional and ABC Systems		
6	Cost Accounting Systems	 Non-Integrated Accounting System – Journal Entries and Ledger Accounts Integrated Accounting System – Journal Entries and Ledger Accounts Reconciliation of Costing and Financial Profits with the following special points / aspects – (a) WIP and FG Valuation, (b) Reconciliation with Losses, if any, (c) Reverse Working with given Reconciliation Statement 		
7.	Job and Batch Costing	 Preparation of Job Cost Sheet and Estimation of Job Costs for New Orders Economic Batch Quantity and related computations Preparation of Batch Cost Sheet and Estimation of Costs and Profits of Batches 		

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p -	Chanter Name	Question Type		
8.	Chapter Name Single Costing	 Preparation of Cost Sheet for Product Semi-Variable Costs & Pricing Decisions using Cost Sheet Preparation of Income Statement and Basic Decision Making 		
9.	Joint and By Products Costing	Joint Cost Apportionment Methods Further Processing Decisions		
10.	Process Costing	 Process Account – Treatment of Normal Loss, Abnormal Loss Operation Costing & Routing Transfers through Process Stock Account Inter–Process Profits Equivalent Production – FIFO Method – First and Subsequent Processes Equivalent Production – WAC Method – First and Subsequent Processes 		
11.	Service Costing	Preparation of Operating Cost Statement, and Computation of Cost / Takings		
12.	Standard Costing	 Computation of Material Cost Variances Computation of Labour Cost Variances Computation of VOH Cost Variances Computation of FOH Cost Variances Budget-Ratios or Control-Ratios Computation of Sales Variances – two approaches Computation of All Variances / Multiple Variances and / or Reverse Working 		
B. M	arginal Costing	T. J. W. Changland Decision Making Residen		
Bu	dgetary Control	Functional Budgets – Production, Materials and Labour Flexible Levels – Analysis of Semi–Variable Costs Original and Revised Budgets Misc. Illustrations		

Additional Reading Material

Chapter 1:

Topic: Digital Costing

Prime .		Topic. Digital Geeting		
Concept		 A Digital Costing System links a Business' Digital Systems (such as Production, Inventory Management Purchasing and Sales Ordering Systems) with the digital systems of its Suppliers, Customers & the Market. In a Digital Costing System, data is gathered from each of these sources and from the internet, in real time, to give up-to-date cost information which reflects current information. 		
Info	1. 2. 3. 4.	 Examples of information that can be provided by a Digital Costing System are – where costs are being incurred Time taken in production Current Purchase Prices for Materials and Components Wastage Level of 		
Features of Digital Products	1. 2. 3.	Digital Products (e.g., video, app, etc.) is without physical form and costs of reproduction are minimal compared with physical products. There is no inventory of digital products. Up–front design and development costs are higher to establish the System. Generally, Costs for Materials are low but Labour Costs are high (e.g., Freelance Staff) for initial design and development. Running Costs during the lifetime are generally fixed, and these are lower, than ongoing variable manufacturing costs for physical products.		
Benefits	1. 2. 3. 4. 5.	Prices from Suppliers can be found quickly and easily. Ease of buying & better lead times can be obtained. Improved understanding of Cost Drivers allows better cost management. Pricing Decisions can be improved because management has a better idea of how profitable different products are and prices can be amended as soon as costing changes. Standards can be updated regularly and such Standards will reflect current operating conditions. Variance Reporting is improved because standards reflect current conditions and market prices. Real—Time Standards should mean there are no Planning Variances. Variances, if any, are only operational in nature.		
Issues	1. 2. 3. 4. 5.	Computation of Cost per Unit requires knowledge of costs and sales volume. Difficult to predict variables like product lifespan, expected sales volume, need for updates/new versions. After upfront Design and Development Costs, sometimes, Running Costs are more difficult to estimate. There is a need for good knowledge of the market and how future technologies may impact the product. There is a need for determining how much of the total Indirect Costs relate to the product and how to absorb these (e.g. if there are upgrades which benefit more than one product)		

Chapter 2:

Topic: GeM – Government e–Marketplace

- Meaning: GeM is a short form of one stop Government e-Market Place hosted by DGS&D where common user goods
 and services can be procured. GeM is a dynamic, self sustaining and user-friendly portal for making procurement by
 Government Ministries and Departments, PSUs and other apex autonomous bodies of the Central Government.
- Scope: The Portal was launched on 9th August 2016, and presently more than 7,400 products in about 150 product categories and hiring of transport service are available on GeM POC portal. Transactions for more than Rs.140 Crore have already been processed through GeM.
- 3. **Features:** (a) Transparency, (b) Efficiency in Buying, (c) Safe and Secure Platform for Buying, (d) Potential to support "Make in India", (e) Cost Savings to Government, etc.

4. Advantages:

For Buyers (Govt, Ministries, Depts, PSUs, etc.)	For Sellers
 Listing of products for individual categories of Goods / Services Search, Compare, Select and Buy facility Single window system for aggregating demands and ordering Buying Goods and Services online, as and when required. Transparency & ease of buying – for both low value buying and also for bulk buying at competitive price 	 One stop snop for marketing with minimal efforts. One stop shop for bids / reverse auction on products / service New Product Suggestion facility available to