

1. MATERIALS

Chapter Overview







EOQ with Discount

Type 1 - Where there are multiple slabs

1	2	3	4	5	6	7
Order Size =	No. of orders =	TOC = (No of orders	Average Inventory =	Total Carrying	Material Purchase	Total Variable
40 or 400 for the first slab and Lower end of	Annual Demand Order Size	x OCpo)	$\frac{1}{2}$ Order Size	Cost = (Average Inventory x CCPupa*)	Costs = (Annual Demand X rate)	Costs = (3) + (5) + (6)
the slabs for further slabs		6				

* CCpupa – Applicable Rate × CCpupa %

Type 2

	TVC @ EOQ	TVC @ Proposed
		Terms
тос	XX	XX
ТСС	XX	×× *
Material Purchase Cost	XX	XX
TVC	××	XX

* The CCpupa will change as there is discount involved in the price of the material. Be careful ! Choose the Option with lower TVC





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Cost per unit:

Total Cost

Number of good units

Specific items to be taken care:

- 1 Discounts All discounts are to be reduced from the total costs except CASH DISCOUNT.
- 2 Taxes If Credit is AVAILABLE, then DO NOT ADD it to the Total Cost. If credit is NOT AVAILABLE, then ADD it to the Total Cost.
- 3 Any abnormal costs such as Demurrage, Fines, Penalties are NOT TO BE ADDED to the Total Cost.
- 4 Any cost that is partially refundable, the portion that is NOT REFUNDED is a COST and to be ADDED to the Total Cost.
- 5 The units to be divided are the good units i.e. after reducing the normal losses ONLY.

Important Questions:

Notes:



2. EMPLOYEE COSTS AND DIRECT EXPENSES

Methods of wage payment

1

Time rate basis: Under this method, the earnings are paid on the basis of the hours worked by a worker

Earnings = Hours worked x rate per hour

In situations, where work cannot be completed in the regular hours, work is done before and after the regular working hours, could also be done on holidays. Such time is called overtime. These hours are paid at a higher rate than the regular hours consists of overtime premium (the extra amount for working extra hours) and the basic rate

Overtime Rent = Basic Rate + Overtime Premium

Piece rate basis: Under this method, the workers are paid for the number of pieces/units they prepare and not on the basis of hours worked. Thus, the number of hours worked are irrelevant.

Earnings = number of pieces x piece rate

3 Incentive Schemes: The basic agenda of an incentive scheme is to create a win - win situation. A situation where the workers earn more, although the cost per unit for the organisation reduces. There are two schemes:





* Employee's contribution to P.F. & E.S.I. are not part of employer's payment and thus wont be included. Basically, all you have to keep in mind is that, all payments going out from the employer's pocket is a cost.



Labour Turnover

The rate of change in the composition of the workforce. It is calculated as per three formulas :

Concentration and the de	No. of workers left + Workers Discharged (fired)		
Separation method:	Average number of workers on payroll		







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Important Questions:

Notes:



3. OVERHEADS

Flow of distribution summary



1 Allocation: Any cost which is directly relatable to a particular department and are already known are called allocated overheads.

- 2 Apportionment: Costs that are common between the service and production departments as well, are apportioned to these departments one SOME SUITABLE BASIS also known as BASIS OF APPORTIONMENT.
- After the above two steps , you will get overheads as per PRIMARY
- DISTRUBUTION. After this, the service department costs are distributed to the production departments.



Re-apportionment: Distribution of service department costs are to the production Departments.



Productive Hours = Total Hours - Unproductive Hours

Examples of Unproductive hours - Mainenance hours and Setup hours

Unless Otherwise mentioned, these hours are presumed unproductive

As far as costs are concerned - Electricity is only used during productive hours unless otherwise mentioned.

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Accounting treatment for over/under absorption of overheads

Are there any		
over/under	•	
absorption of		
overheads?		
Yes		
Is the amount No	^	
significant ?		
	Charge to	
Yes	Costing P&L	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Account	
To it due to		
own mistake ?		
No		
Then create supplementary rate and charge :-		
Cost of Solos A/a For units cold		
 Work in Progress A/c - For units in WIP 		
 Finished Goods A/c - For units in F.G. Stoc 	k	

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4. ACTIVITY BASED COSTING (ABC)

The most important element of ABC is Cost Driver Rate (CDR). If CDR is not available, the make the following table

Activity	Activity Cost Pool	Cost Driver	Cost Driver Volume	Cost Driver Rate
the Cost)	(Amount of	cost changes)	(Quantity of	(Cost Pool
	the Cost)		Cost Drivers)	Divided by Cost
				Driver Volume)
(A)	(B)	(C)	(D)	(E) = (B)/(D)

If the question asks for traditional costing : Calculate the rate per hour by using the following

Budgeted Overheads	= Absorption Rate Per Labour/Machine Hour
Budgeted Labour/Machine hours	

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Important Questions:

Notes:



5. COST SHEET

OLD FORMAT

(only to be used for COST ACCOUNTING SYSTEMS CHAPTER)

Units produced: xx		
Units sold: xx	•	
	Per unit	Total
Direct material consumed (op + pur - clg)		xx
Direct Labour		xx
Direct expenses		xx
Prime cost		xx
Overheads (on cost)		
Factory overheads	For units produced	xx
Gross factory cost	- always for units produce	xx
 opening stock of WIP 	())	xx
 Closing stock of WIP 		(xx)
Net factory cost		XX
+ Administration overheads		XX
Cost of Production		XX
+ opening stock of FG		XX
- Closing stock of FG	- always valued at cost of production	(xx)
Cost of goods sold		xx
+ Selling and Distribution Overheads		xx
Cost of sales	- always for units sold	xx
+ Profit		xx
Sales		xx



COST SHEET (NEW FORMAT)

XX

xx

Units produced: Units sold:

Per unit Total Direct material consumed (op. + pur. - clg.) xx Direct labour XX **Direct** expenses XX Prime Cost XX Overheads (on cost) + Factory Overheads XX - always for units produced Gross factory cost XX + opening stock of WIP XX - Closing stock of WIP (xx)Net Factory Cost XX (P) + Primary Packing XX + Admin. overheads related to production (A) XX + Research & Development costs (R) XX + Quality Control costs (Q) XX - Sale of Scrap (S) (xx)Cost of Production XX + opening stock of FG XX - closing stock of FG - always valued at cost of production (xx)Cost of goods sold XX + Administration Overheads (general) XX + Marketing overheads : Selling overheads - always for units sold XX Distribution overheads XX Cost of Sales XX

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+ Profit Sales



XX

XX

Specific items in under different heads of cost:

Direct Material Cost:

- Freight Inwards
- · Insurance and other expenses attributable to procurement
- Duties and taxes (only if credit is not available)
- Reduce all discounts except cash discount

Direct Labour Cost:

- All sort of allowances and incentives
- · Payment for overtime/bonus
- Employers contribution to PF, ESI etc

Direct Expenses:

- Cost of Power & fuel, steam etc;
- Royalty paid/payable for production/service
- Hire charges paid hiring specific equipment
- Fee for technical assistance/know
- Amortised cost of moulds, patterns, patents etc
- Cost of product/service specific design or drawing
- Cost of product/service specific software
- Other expenses which are directly related with the production of
- goods or provision of service

Factory Expenses:

- Consumable Stores and spares
- Depreciation of plant and machinery, factory building etc.
- Lease rent of production assets
- Repair and maintenance of plant and machinery, factory building etc.
- Indirect employees cost related with production activities
- Drawing & Designing department cost
- Insurance of plant and machinery, factory building, stock of raw materials & WIP etc.



• Amortized cost of jigs, fixtures, tooling etc.

 Service department cost such as tool room, engineering & maintenance, pollution control

General Administration overheads:

- Depreciation & maintenance of building, furniture etc of corporate or general management
- Salary of administrative employees, accountsnts, directors, secretaries etc.
- Rent, rates & taxes , insurance, lighting , office expenses etc.
- Indirect materials printing & stationery , office supplies etc.
- legal charges, audit fees, corporate office expenses like directors sitting fees, remuneration

Selling overheads:

- Salary and wages related with sales department and employees directly related with selling of goods.
- Rent, depreciation, maintenance and other cost related with sales department

• Cost of advertisement, maintenance of website of online sales, market research etc.

NOTE : Primary Packing is part of cost of production, but , Secondary Packing is part of selling overheads

Distribution Overheads:

- Salary and wages of employees in distribution of goods
- Transportion and insurance costs related with distribution
- Depreciation, hire charges, maintenance and other operating costs related with distribution vehicles etc.

The only important classification is between DIRECT EXPENSES AND FACTORY OVERHEADS, rest of the above are manageable. Pay your best attention only to those.



6. COST ACCOUNTING SYSTEM

T	y	þ	es

Non integrated accounting system

Integrated accounting system

(Cost and financial books are separately prepared)

(Cost and financial books are not prepared separately)

*List of accounts to be prepared (to be in the same order)

- 1. Store ledger control A/c
- 2. Wages control A/c
- 3. Factory overhead control A/c
- 4. WIP stock control A/c
- 5. Admin overhead control A/c
- 6. FG stock control A/c
- 7. Selling and distribution overhead control A/c
- 8. Cost of sales A/c
- 9. Costing profit and loss A/c
- 10. General ledger adjustment A/c or Cost ledger A/c

Dr.

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Store ledger related entries

1. Raw material purchased

Stores A/c To GLA A/c

2. Raw material purchased return

GLA A/c Dr.

To stores A/c

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3. Material issued to production	n
WIP A/c	Dr
To Stores A/c	
4 Material issued return	
Stores A/c	Nr
5. Material issued to factory r	epairs, admin office, selling office
FOH/AOH/S & D OH A/c	Dr
To Stores A/c	
6 Deficiencies found in stock t	takina
6.1 If Normal	
	Dn Dn
To Stones A/a	
TO STORES A/C	
6.2 If Abnormal	
Costing P/L A/c	Dr
To Stores A/c	
~	
Wages control relate	ed entries
7. Wages incurred	·
Wages A/c	Dr
To GLA A/c	
8. Direct wages charged	
WIP A/c	Dr
To wages A/c	
9. Indirect wages charged	
FOH A/c	Dr
To wages A/c	

*wages will always tally. It will have no balance



FOH related entries

10. FOH incurred		
FOH A/c	Dr	
To GLA A/c		•
11. FOH charged		
WIP A/c	Dr	
To FOH A/c		

WIP related entries

12. FG @ cost/cost of goods manufactured/cost of goods transferred to warehouse/Net factory cost FG A/c Dr

To WIP A/c

Admin OH related entries

13.	AOH	incurred

AOH A/c

To GLA A/c

14. AOH charged/applied/absorbed

FG A/c	Dr	
To AOH A/c		

Dr

FG A/c related entries

15. FG sold/COGS

COS A/c Dr

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To FG A/c



S&D related entries

16. S&D incurred		
S&D OH A/c	Dr	
To GLA A/c		•
		~
17. S& D charged		
COS A/c	Dr	
To S&D A/c		

*S&D is always applied on units sold. FOH & AOH are applied on units manufactured. S&D will always tally unless otherwise specified

COS related entries

18. Transfer of COS balance to costing P/L Costing P/L A/c Dr To COS A/c

*COS will close automatically. No balance

19. Sales

GLA A/c

Dr

To costing P/L A/c

20. Sales returned @Cost FG Stock A/C TO CDS A/C

Note: any balance in the OH A/c will either be carried Forward or written off. If there is any balance in the opening trial balance, then carry forward the current balance orelse write off

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Dr



r. Store Ledger control A/c		Cr.	
To Balance b/f*		By GLA (pur return)	2.
To GLA (material purchased)*	1.	By WIP (DM issue)*	3.
To WIP (DM issued Return)	4.	By FOH/FOH/SOH	5.
		(indirect material)	
	_	By FOH (normal deficiencies)	6.1
	_	By Costing P/L (abnormal def)	6.2
		By Balance c/f*	

Dr.	Wages Control A/c		Cr.	
To GLA A/c (wages incurred)	7.	By WIP A/c (DW charged)	8.	
		By FOH A/C (IDW chaga)	9.	

Dr.	FOH control A/c	Cr.
To Stores (indirect material)	5. By WIP (FOH charged)*	11.
To Stores (normal deficiencies)	6.1	
To Wages (IDW chgd)	9.	
To GLA (FOH incurred)*	10.	

Dr.	WIP Control A/c		Cr.	
To Balance b/f*		By Stores (DM issued return)	4.	
to Stores (DM issue) ^	3.	By FG A/C (NFC) [*]	12.	
To Wages (DW charged) *	8.	By bal C/f*		
To FOH (FOH charged) *	11.			

Dr.	Admin O/H Control A/c		Cr.
To Stores (indirect material)	5.	By FG A/c (AOH charged)*	14.
to GLA (AOH incurred) [~]	13.		

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* Mandatory entries in every A/c before you can close the A/c



Dr.	FG Stock Control A/c		Cr
⊤o Balance b/f* To WIP A/c (NFC)*	12.	By COS A/c (COGS)* By bal C/f*	15.
To Admin O/H (AOH charged)	14.	· · · · · · · · · · · · · · · · · · ·	
TO Cos (Sales Return)	20	•	

Dr.	S & D' OH Control A/c		Cr.
To Stores (indirect material)	5.	By COS A/c (SOH chgd)*	17
To GLA A/c (SOH incurred)*	16.		
		<u> </u>	

Dr.	COS A/c		Cr.	
To FG A/c (COGS)	15.	By costing P/L A/c (Cost trfd)	18	
To S & D A/c (SOH chgd)	17.	By FG (Sales return)	20.	

A

Dr.	Costing P/L A/c	Cr.
To Stores (abnormal def) To COS (Cos trfd)	6.2 By (Sales) GLA A/c 18	19.

Dr. (GLA A/c) General ledger Adjustment A/c		Cr.	
To Stores (purch. return)	2.	By Balance b/f	
To Costing P/L (Sales)	19.	By Stores (material purch)	1.
		By wages (wages incurred)	7.
		By FOH (FOH incurred)	10.
		By GLA (AOH incurred)	13.
		By S & D (SOH incurred)	16.

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* Mandatory entries in every A/c before you can close the A/c



Reconciliation between cost & financial profits

Type 1	Type 2	Туре З
Differences are given	Financial P/L will be given	Prepare only 5 accounts
Start from profits as per cost books	Details about cost data will be given	Storeswages
+/- adjustments	Prepare costsheet	• FOH
Reach profit as per	 Prepare differences 	• WIP
TINANCIAI DOOKS	 Prepare Reconciliation 	Costing P&L Account
	VOILA!	Get profit as per cost books
		Prepare financial P/L
		Only 3 differences max

Type I

Common adjustments & its treatment

(Always start from cost books unless otherwise mentioned) Even if you start with loss, do not change the treatment. It will be the same

Overheads	underabsorbed			
It means cost books	incurred is more	e in the financ	ial books and les	ser in the cost
Therefore, pro	ofit in the cost l	books in highe	r : LESS	
Overheads	overabsorbed			
Exact Reversa	l of the above ⊣	+ ADD		
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Debit items included in the financial P/L & not the costsheet

These debit items reduce the financial profit which automatically increases the cost profit.

Thus cost profit \rightarrow LESS

Example: income tax provided

Goodwill written off

Obsolescence charges in financial books

Credit items included in the financial P/L & not the costsheet

These credit items increases the financial profit which automatically reduces the cost profit

Thus cost profit \rightarrow ADD

Fxamp	0	•	Dividend	received
LAump	E	٠	Dividend	receiveu

Transfer fe	e
-------------	---

Bank interest received

Notional rent of own premise charged in cost accounts

Notional rent of own premise charged in cost accounts Notional costs can be charged only in cost books & not in financial books. Financial books only record actuals.

Charging Notional cost will reduce the cost books profit & thus have to be →

Stocks

Opening stocks:

Opening Stocks reduce profits.	Thus you will have to understand, where the
profit is lesser & accordingly →	ADD or LESS



Closing stock:

Closing Stocks increase profits. Thus you will have to understand, where profit is higher & accordingly \rightarrow ADD or LESS

Same treatment for depreciation

- → If profits is reducing in cost books then ADD
- → If profits is increasing in financial books then LESS

Exact reversal of the above, if financial books is taken as base.

Type 2: Financial P/L will be given. Costsheet to be made & difference to be drawn

THINGS TO BE KEPT IN MIND

- · Always fist ascertain the UNITS PRODUCED before drawing the costsheet
- If details pertaining to a particular elements is not available, then use the data present in the Financial P/L. For eq: Direct material, direct labour, etc
- Whatsoever may be the case, the value of closing FG will always be as per cost of production as per costsheet.
- After the costsheet is done, then draw the difference & work the difference as discussed above.

Type 3: Drawing cost & financial P/L & then the differences

St	ep 1: Draw	only 5 cost	t account	s:	
and		,			
•	Stores	•	wages	٠	Costing P&L
•	FOH		WIP		
•	the differend	ce between v	vages incl	urred ar	nd wages applied,
	is the amount	f of INDIRE	CT WAG	ES. Char	rge it to FOH A/c
•	the balaInce	in FOH A/c i	s O/H un	der abs	orbed & they are
	not transferr	red to costin	g P&L A/	С	



Step 2:

Draw a Financial P&L

Dr.	Finan	Cr.	
Particulars	Amt	Particulars	Amt
To Op. Stock		By Sales	XX
RM	XX	By Clg Stock	XX
WIP	XX	RM	XX
To Mat Purchased	XX	WIP	XX
To Lab. Paid	XX	By Income From investment *	XX
To O/H Incurred	XX		
To Loss on Sales of fixed Asset *	XX		
To Profit for the year			

* May or May not be there in a question.

Step 3: Prepare reco. S	tatement
Profit as per cost book	XX
FOH Under absorbed	(XX)
Loss on Sale of fixed Asses	(XX)
Income from investments	XX
Profit as per financial books	XX

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Important Questions:

Notes:



7. PROCESS COSTING





Basic Process Costing

Number Of Accounts To Be Made:

Process A/C Normal Loss A/C Abnormal Loss/Gain A/C

Process A/C							
	Units	Amount		Units	Amount		
To Material Introduced	XX	XX	By Normal Loss	XX	@sv		
To Labour		XX	By Output Transferred	XX	@Exp Cost		
To Expense		XX	to next process				
To Overheads		XX	By Abnormal Loss	XX	@Exp Cost		
To Other Costs		XX					
To Abnormal Gain	XX	@Exp Cost					

Expected Cost (Exp Cost):

Material + Labour + Expense + Overheads + Other Costs-Scrap Value of Normal Loss

Units Introduced - Scrap Units (Normal Loss)

	Units	Amt		Units	Amt
To Process A/C	XX	@sv	By Cash/Bank	XX	@sv



Abnormal Loss A/C							
	Units	Amt		Units	Amt		
To Process A/C	XX	@Exp Cost	By Cash/Bank	XX	@sv		
			By Costing P&L A/C	XX	@ Bal. Fig.		



	Normal Loss A/C					
	Units	Amt	0	Units	Amt	
To Process A/C	XX	@sv	By Cash/Bank A/C	XX	@sv	
			By Abnormal Gain A/C	XX	@sv	

Abnormal Gain A/C

	Units	Amt	Units	Amt
To Normal Loss A/C	XX	@SV By Process Ac	Xx	Exp Cost
To Costing P&L A/c		@ Bal. Fig.		

Equivalent Production

STEP 1 Calculation of Ab	onormal Loss /Gain (Same For Fifo/Wt Avg)
	Units
Opening Wip	XXXX
+ Units Introduced	XXXX
Units In Process	XXXX
(-) Normal Loss	(XX)
Expected Output	XXXX
Unit	Closing Abnormal
Transferred	Stock Loss/Gain
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STEP 2

Physical

Particulars	Units		Mat		Lab		0/Н
		%	Units	%	Units	%	Units
Op Stock	XX	Balance %					
Units Introduced							
Completed & Trfd	XXX	100%		100%			100%
Ab Loss	XXX	% Will Be Given Else 100%					
Closing Stock	XXX	% Completed Will Be Used					
Expected Output	XXX	Eq. l	Units of Mat	Eq. l	Units of Lab	Eq. l	Jnits of O/H

Abnormal gain will be in the negatives. It will always be 100%



Physical

Particulars	Units		Mat		Lab		0/H
		%	Units	%	Units	%	Units
Units Trfd	XX		Always 100%				
Ab Loss	XXX	% Will Be Given Else 100%					
Export O/T	XXX		% Completed Will Be Used				
Expected Output	XXX	Eq. U	Inits of Mat	Eq.	Units of Lab	Eq. l	Jnits of O/H

*In Fifo There Will Be Op. Wip & Units Intd Completed & Trfd

In Wt Avg There Will Only Be Units transferred





STEP 5

Same For Fifo & Wt Avg (Process A/C)

	Units	Amount		Units	Amount
To Op Wip	XX	XX			
To Material		XX	By Normal Loss	XX	@sv
To Labour		XX	By Transfer to next	XX	@AVP
To 0/H		XX	Process		
To Abnormal Gain	XX	@AVP	By Abnormal Loss	XX	@AVP
	XX	XX		XX	XX

*@AVP = As per Valuation in step 4

Important Questions:

Notes:



8. JOINT PRODUCTS & BY PRODUCTS

Things to remember:

All costs upto the split off point are called Joint Costs Costs incurred post the split off point are called Further Processing Costs.

Only two types of questions are expected from this section.



Joint cost allocation methods

1 Physical measure method a.ka. Physical Output method:

Under this method, the Joint Cost will be allocated between the joint products in the ratio of the physical output received at the time of split-off.

2 Sales value @split off method:

Under this method, the Joint Cost will be allocated between the joint products in the ratio of the Sales value achieved at the time of split off.

3 Net realizable value method (NRV method):

Formula for NRV:

Sale value of the final product (post processing)	XXX
(-) Further processing cost	(xxx)
Net realizable value.	XXX

The NRV'S so arrived will be used as a ratio to allocate the Joint Costs.

It at all. a product is sold @split off, then, for that product, the sale value @split off is considered as NRV.



Constant Gross margin NRV: 4

Formula:

Step 1 - Calculate the gross margin for the firm as a whole:

Total Sale value of all the I	Products post proc	essing	(xx)
(-) Further processing Cost	ts		(xx)
(-) Joint Costs			(xx)
Gross margin			××
Gross margin % to sales.	Gross margin Total Sales	X 100	xx %
Step 2 - Allocation of Joir	nt Cost:	Product A	Product B
Sales value of the final pro	oduct	××	XX
(-) Gross margin		(xx)	(xx)
Total Costs		×x	XX
			\wedge
	Further .: Joint of processing alloca costs	cost Furth ted process costs	er Joint ting alloca



Depth of processing

Depth of processing refers to whether a product should be further processed or not.

1	Check profits before further proces	sing & after further	
	processing.	•	
	Profit before further processing:	~	
		A	В
	Sales value @split off	xx	XX
	(-) Joint cost	(xx)	(xx)
	Profit before further processing.	XX	XX

	Product A	Product B
Sales value after further processing	××	XX
(-) Further processing costs	(xx)	(xx)
(-) Joint cost	(xx)	(xx)
Profit after further processing.	××	XX

Wherever profit is higher, choose that option.

2 Method II

- Compare NRV with Sales value @split off.
- If sale value @split off is t, then do not further process

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If NRV is 1, then do further process.

Important Questions:

Notes:



9. SERVICE COSTING

Total Kms. per day - One way kms x 2 x No. of trips

Total Kms. per month - One way kms x 2 x No. of trips x No. of Days

Total Kms. per annum - One way kms x 2 x No. of X No. of X No. of Months

* X 2 for a round trip

No. of passengers/ No. of No. of Passenger/Ton kms per day -× kms × 2 × trips No. of tonnes

Passenger/
Ton kms per monthNo. of passengers/
No. of tonnesNo. of
kmsX 2 xNo. of
tripsNo. of
Days

Passenger/ Ton No. of passengers/ No. of x 2 x No. of No. of No. of kms per annum No. of tonnes x kms x 2 x trips x Days months

Note: If there are no tonnes carried, there would be no ton - kms for that trip.

Commercial Ton - kms - Average Load Carried x Total Kms.

When they say, Fare per Passenger km = Anything before the PER will be the numerator and anything after the PER is the denominator. Thus it will be, Total Fare divided by Total Passenger - kms

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For Cost per passenger km - Total Cost divided by Total Passenger km.

For Cost per kilometer - Total Cost divided by Total Kilometers

Room Days = No. of rooms occupied x No. of days

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10. STANDARD COSTING

1 Sales - Cost	s = Profit		
$\Delta S \text{ or } \Delta C = \Delta$	∆P – CA Final		
Sale Variances			
	\checkmark		
∆in mat Cost	∆in Lab Cost	∆in Variable O/H Cost	∆in Fixed O/H Cost
		×	

Material Variances

(Always as per actual Output) Actual Output = Units.

		Standard		R		Actual	
	Qty.	Rate	Amt	Qt	.y	Rate	Amt
x	SQ	SR	SC	AC	2	AR	AC
у	SQ	SR	SC	AC	ર	AR	AC
	Total	WT Avg	Std Cost			×	Actual Cost
	Std Qty	Std rate		Tot	al	Do not	
				Actua	Qtv	calculate	





Fixed Overhead Variances

	Budget	Actual	Ab. Rates
Days	Bud. Days	Actual Days	Bud Amt / Bud days = Abrate / day
Hrs	Bud. hrs	Actual hrs	Bud Amt / Bud hrs = Abrate / hr
Units	Bud. Units	Actual units	Abd Amt / Bud unis = Abrate / Unit
Amt	Bud. Amt	Actual Amt	



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Sales Variances

Always use Budget & Actual, in Fixed Overhead & Sales.

→ Imp: Always calculate units as per budgeted data.



11. MARGINAL COSTING

Format of Cost - Volume - Profit (CVP) Analysis

Profit	XX
(-) Fixed Cost	• (XX)
Contribution (Contribution p.u. x Units)	XX
(-) Variable Costs (Variable Cost p.u. x Units)	(XX)
Sales (Selling price p.u. x Units)	XX

Some Formulae

Contribution per unit	Contribution	
Selling price per unit	Sales	
(-) Variable Cost per unit	(-) Variable Costs	OR
	Profit	
	(+) Fixed Costs	

Profit Volume Ratio:

That portion of Sales that converts to Contribution. It is expressed as a %

Contribution × 100 OR Sales	Contribution per unit Selling Price per unit * If PV ratio is let's say 40%, the balance is 60% is Variable Cost and vice versa.



Break Even Point (BEP):

Point at which, there is neither profit nor loss.

Fixed Costs Breakeven		BEP Units x Selling price per unit		Fixed Costs / PV Ratio
Contribution p.u. (in units)	OR	= Break even Sales	OR	= Break even Sales

Margin Of Safety (MOS):

Sales over and above the break even sales are MOS sales

Total Sales (units) - Breakeven Point (units)		Profit	
= MOS (units)	0.	PV Ratio	= MUS Sales
	V		



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All Changes in Fixed Costs to be done on TOTALITY BASIS



Indifference Point = $\frac{\text{Extra FC}}{\text{Saving in VC}}$

Below the Indifference Point - Choose the option with Lower FC

@ the Indifference Point - Choose either

Above the Indifference point - Choose option with higher FC

Shut Down Point

Avoidable Fixed Costs* PV Ratio
= Shut Down Point

Avoidable Fixed Costs = Total Fixed Costs Less Unavoidable Fixed Costs

Interpretation Below the Shut down Point - Shut down @ the Shut down Point - either Shut down or Operate Above the Shut down Point - Operate

Important Questions:

Notes:		



12. BUDGETS AND BUDGETARY CONTROL

Types of budget

Flexible budgets

Functional budgets

A budget will be provided at a particular level & you will be asked to draw a budget @ different capacity levels (Take into consideration the cost behaviour i.e whether a cost is fixed, variable, semi-variable and then change the costs accordingly) Flow of functional budgets

Flow of functional budgets

Sales	
+ closing stock of FG	
(-) opening stock of FG	
Production budget	
× kgs required p.u	v production budget
Consumption budget + closing stock of RM	× Labour hours required p.u
(-) opening stock of RM	x rate per hr
Purchase budget (Qty)	Labour Budgets (hrs)
x Purchase Price	5
Purchase Budget (₹)	

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Types of production budget



Where it will be given that x% of current sales and y% of next month's sale to be produced for such questions follow the following steps :





Under this case , opening stock & closing stock details are given, Follow:

Sales

+ closing stock of FG

(-) opening stock of FG

Production Budget

It can be monthly, quarterly, Annual



Budget ratios:



Important Questions:

Notes:



This comprehensive guide is a detailed resource to help you navigate the extensive list of formulas and formats of costing. The book offers all the necessary formulas, each explained in the attached audio book. It will simplify the sometimes intimidating syllabus of costing making it a must have for anyone looking at enhancing the ease of preparation & excelling.

All the Best & Happy Learning.

About the author:

Prof. Nimeet Piti is a gualified Chartered Accountant & Company Secretary clearing all levels in first attempt. He did complete his graduation, CA and CS in the same year and was holding 3 charters at less than age 21. Since gualification, he has been actively involved in the family owned textile business, a cut throat limited margin business where he had the opportunity of seeing all the costing concepts come up live and aims to bring those live experiences to blend with your learning objectives creating not just the HOW, but also the WHY.



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