

Note:-	- If ther ost, add	e are mon I them.	e than 10	rdering C	ut/com	jing
Jmp Qu	es:- 0,5,	Q6, Q8,	of the she	et.		
<u>Eog w</u>	1th Discou	int (Refea	- 499)	103		<u> </u>
Order Size	No.of ordeas	TOC [no. of]	Ang Inv	Tec		TVC
40.2		order	1/2 orda	And y	X	

rest of the [XOCPO] ['size] [CCpupa] [râte] siabs-starting point CCpupa = Applicable Slab rate X CC %.

200 with Discount (Refer Q11) → Option Evaluation





17 Re-order level. Max. cons X Max. LT. OX Safety Stock + (Ang. cons. X Ang. LT.)

	Mice.
1. Inventory Turn	over ratio
	COLLIE DO+ Pure (10
Avg. Jnu	entory Life of the con
V	And Jun i- Obton
Inventory TTO rot	io (days)
365	
JUN 10	ratio.
Misc. Category Imp Qu	res :- ALL (Q23 to Q29)
1*10	rginal carting
Format:	Contribution
Sales	
E) Variable Coste	area - Vanable Caris
Contribution	Profile + Fixed Costs
E) Fixed costs	OR
Profit O	Sales × PV ratio
	Contribution per unit
Plv ratio	Selling price, DL - VC DIL
(hat n	OR
Sales	Setting price per X PV ratto
OR	OR
Contapic_ x100.	Fixed Cast
Selling price pu	OR
A Profit - 100	Total Contribution
<u>Alales</u> × 100.	/110-07-01115-30-69
Fixed costs x 100.	



→ All Changes in VC. to be done on per unit basis.
→ All Changes in FC to be done on totals.
Shutdowow :- Avoidable FC (Fixed casts - Unavoidable FC)
point: :- Avoidable FC (Fixed casts - Unavoidable FC)
point: :- Avoidable FC (Fixed casts - Unavoidable FC)
point: :- Avoidable FC (Fixed casts - Unavoidable FC)
point: :- Avoidable FC (Fixed casts - Unavoidable FC)
point: :- Avoidable FC (Fixed casts - Unavoidable FC)
point: :- Avoidable FC (Fixed casts - Unavoidable FC)
point: :- Avoidable FC (Fixed casts - Unavoidable FC)
Point: :- Pivotable :- Continue
Below the shutdown point -> shut down.
Standard Casting
Sales - Casts = Profit
As or
$$\Delta L = \Delta P - Ch time!
Bales
Variances
Variable fixed office: fixed office:
Material Variable fixed office: acts
Material Variable is cast.
Material Variable as per actual fudget)
Ternal Output = units.
Standard.
Gty rate Amt Gty rate Amt.
X SQ SR SC AS AR AC
Sales Standard Cast office: X Actual cost.
Cast Standard.
Standard.$$

wat ing Do not cajoulate. Total otal Std 0,44 Acrual starate Material Cost Vortance = (Std Cost - Actual Cost) (Kima Kharcha hona chanize tha, and kitha khaseha ho gaya) Mat. rate variance Mat. Qty. variance (SQ-ACQ)SR (LR-AR)AQ. (Kitha Oty use kanna chahiye the ave kitha Oty use kiya) X Std vate. (kys rare mein mat. leve chahige The ave kye rate mein 13ye.) X Actual Actual Qty. Mat. yield variance Mat. mix variance Total Std _ Total Actual x with the Total actual - Actual QR Qty Qty X Std / Std rafe Qty Qty As per Total actual Qty, Actual Output ke lige-total kitua std units lagua Kitha Std Oty use Kagna the ang kitua chahige the are kithe Use kiga X Std rate Use kiya WT AND Std rate * Stol mix is the proportion of each Quantity / Total ofty Labour Variances. Labour Cast Variances Labour Rate abour time Variance. Vanance

Labour Idle-time Labour Iabour Variance Efficiency mix Variance Variance (Idle hrs) Starate All other variances are calculated the same way as material variances * Idle time variance to be calculated only when specifically mentioned in the Question. Variable Overhead Variances [Generally related to labour hrs] Std. Actual vate Amt tire Amt. Hre There will be only three variances in Variable Overheads. Variable Overhead Cost Variance Variable Overhead Variable Expenditure Overhead Came as mat. vate Clame as mat. vate ficiency variance same as mot Bty variance

-ixed Overhead Variances Budget Actual Ab. rates Days Bud. Days Amt/Days = ___ / day Actual Days hrs Bud. hrs Amt hrs = ___ hr Actual his Units Bud units Actual Units Amt/units = /unit Amt Bud. Amr Actual Amt Absorbed _ Actual) Fixed Overhead Cost vecting for over under absorption Actual X Ab rate Units pu Fixed Queshead E Fixed Overhead Volume Vag. Expenditure Var Bud - Actual Ab. rate Oty Oty per unit Bud - Actual Amt Amt Fixed Overhead Fixed Overhead Ľ Calender Vag. Efficiency Vagiance Bud. - Acrual Ab. vate Days Days per day almes Actual Ab hrs Actual Fixed OlH 1 Capacity Vas OIT Bud hrs - Actual for Actual hrs rate days

1. Actual days mein kitue hrs Karne Chabige tha ana Kitna hos Kiya. If actual hos are more then Favorable 2. For the Units manufactured tha aur kitna hrs use Kiya. If more has are used, then ADVERSE SALES VARIANCES Always use Budget & Actual, in Fixed Overhead & Sales. > Imp: - Always calculate units as per budgeted data. Budgeted Output :-Actual Budger SP Amt. Units SP Amt Untes Total Sales value Vaguance = (Bud. Sales Amt - Actua Sales [If Actual sales are then [Favorable] are more Sales price Sales Bty Vasiance vaniance [Bud - Actual] Actual Ofty. Bud Bud



Flow of, Sales budget Functional. Clastrof FG. budgets Str of FG. Prodn budget-X Labih kgs reg pru Х Consumption budget haboug Ug Stic of RM budget Op Stk of RM Purchase Budget lypes of Production budget Type 1 where it will be given Under this case, Opening Stock & that n' of current sales Closing Stock & y'l' of next month's details one given sales to be produced. For Such Questions Follow !-Sales Step 1: - Draw annual + cig stk - Op stk prodⁿ plan Step 2. For Quarter To find Production. I to III, follow the It can be monthly, Scheme in the ques Quarterly

Step 31- For Quarter IV. n'/ of current sales will be done So the balance will be from Annual Prod^a budget.

Smp!- Q4, Q6, Q8, Q10, Q11, Q12, Q18



Expected cost: Mat + hab + Exp + Other casts - Scrap Value of Normal lass Units Into - Scrap Units (Normal loss) In case of Ab Loss Normal Loss Ale. Units Amt Units Amt By Cash/Bank To Process Alc XX CSV XX CSV Abnormal Loss AC Units Unit Amt Amt TO Process AC By Cash/Bank Cost **U20** $\mathbf{X}\mathbf{X}$ XX By Brofit/Lase balance XX V- Scrap Value In cose of alonormal Normal Loss HC. gain To Process AL XX Cev By CIB XX ELV C By Abnormal gain (Abgain units) XX @ SV Abnormal gain AC To Normal Loss AC VZ O XX By Process APC XX @ Exp Coult To Casting PRL Balance.

Ope + 12n	ning WIP	$ \rightarrow \times x $	x $unt \le x$	
C) Nor	in proce mal Loss	x x (x)	(X (X)	
Expec	ted Outpu		X	
いた	raneferred	Closing Stock	g Ab Loss	normal 8/gain.
Step 2 :	Stmt. of	Equivalent Pr	rodn (As p	er FIFO)
Pardia tant				
TUTTICULOAL	Unifs	Mat 1. Units	Lab 1. Units	DH 1. Uwi
Op. Stk	Unifs XXX	Mat <u>'/. Units</u> Bolance '/.	Lab 1. Units Bala	0[H <u>% Unit</u> mce%
Op. Stk Onits Intd. Completed &totd.	Unifs XXX XXX	Mat <u>1. Units</u> Bolance 7. 1007.	Lab '/. Units Bala 100%	0(H <u>% Uwil</u> uce% 100%
Op. Stk. Units Intd. Completed & total. Ab Loss Closing	Vnifs XXX XXX XXX XXX	Mat '/. Units Bolance '/. 100 '/. '/. Will be '/. Completed	lab '/. Units Bala 100% given else will be u	0[H <u>% Uwit</u> mce% 100% 100%
Dp. Stk Dniks Intd. Completed & to td. Ab Loss Closing Ab. gain b	Units XXX XXX XXX XXX Exp. O(T Diu be in	Mat <u>'/. Units</u> Bolance '/. 100 '/. <u>'/. will be</u> <u>'/. completed</u> the negatives	Jab <u>'. Units</u> Bala 100% given else will be us .St will alus	0(H <u>% Unit</u> mce% 100% (00% eed, ays be loe

Equits of Equits 29. Units 07 0/H. Step II aluation -Transfer !- Units trad & Cost pu. Closing Stock = Eq. units of cpu + Eq. units cpu + Eq Units x Cpu of OlH 2 Ab. Loss Eq. units of x cpu + Eq. units x cpu mat 2 + Eq units x cpu of Olh same for FIFO & WTAY Process AC TO OP WIP <u>(</u>9 (°). By NL XXX λx To Mar Procen B XX appe To Lalo Val 'n By Ab. Loss To OlH To Alo. gain XX XXX ON DEL Vall for Inter-process profits :- refer Q22 of the book. <u> Nuestions :- QS, Q7, Q8, Q9, Q14, Q16</u> Smp 22, Q23

COST ACCOUNTING SYSTEM ypes Non-Integrated Integrated Accounting System financial Cast g Cost & financial books books are Separately are not prepared prepared Separately Non-Integrated Alc'ing system List of Accounts prepared :- (to be made in the same order 1. Stoves Ledger Control Alc 2. Wages Control AC 3. Factory Overhead Control Mc 4. WIP Stock Control ALC 5 Admin OLH CONTrol HC 6. Finished goods stock control Alc SED OLH CONTROL AC 7. 8. Cost of Sales ALC 9. Costing Profit & Loss He 10. General ledger Adjustment A/c/Cast ledger Account

Stores les	gez Control Alc	-Holmin	Control LOHALC
		FG.	Control AC
hiag	es Control Alc.	<u>ሪ</u> ዴ ይ	Ale
0		Cos	AR
Гон	Control MC	പ്രം	ng Pel
la la	Control AL	GLA	N C
tores ledger	related entri	 <u>احد</u>	
Stores To	GLA		
Moterial GLA TO	<u>Purchased</u> sets Ctores	<u>Ane</u>	
Material 1.	ccued for produ	<u>udion</u>	

4> Mat. Issued returned Stores TO WIP ALL s> Mat. issued for factory maint. /admin office/sales Dpt. Factory OLH (Admin olH/S&D) TO Stores 6 Deficiency found in stock taking. > <u>54 Normal</u> Factory OlH ALC To Stores 27 Jf abnormal Costing P&L #1C To stores ledge Wages related entries Wager Incurred Mages TO GLA. Wages charged to production WIP ALC To Wages Indirect wages charged FOH MC To Wages. Wages MC will always tally. There will be no bakance !!

Factory Overheads related entries 107 Factory Overheads incurred Factory Overheads MC TO GLA. 1) Factory Overhead charged/applied/absorbed WIP MC TO GLX. WIP Control Mc related entries 12) Finished goods at cost / cost of goods manyfactured / cost of goods tirted to warehouse . / net tactory cost Finished goods ALC Dr To WIP MC. Admin O/H related entries 13) Admin OlH incurred. Admin Olt MC TO GLA 147 FOH Changed / Applied / absorbed FG AL Dr To Admin Finished goods AL related entries 15> Finished goods soid/ COQS Cas MC TO FG Stock.

Selling & Distribution Afc related entries 165 S&D incurred SED TO GLA. 17) SED changed/applied/absorbed COS AC SAD is always applied on vuits sold. Factory olH & Admin old are applied on vuits manufactured. S&D will always tally vulese otherwise opecified. Cos related entries 18) Tof. of COS barance to Casting Par Costing P&L ALC. TO COS. COS will close automatically. No balance. 197 Sales GLA ALC TO COSTING PER Notes: Any balance in the oneahead Alc will either be carried forward or written off. It there is any balance in the copening Trial balance, then carry forward the magent balance or else write off.

Reconciliation between cost & financial Profils 1 ype II Type 1 490 ifferences -inancial repare only are given PRL WILL be given. Start- from profit Stores as per cost books Details about wages **Forh** Cost data will be given - adjustments WIP Get prott -> Prepare Cast Sheet Reach profit as per tinancial Prepare Differences al der books -> Prepare Reconcideration LOSH books Voi'LA [] gredare financial P&L Only three differences (max) Common Adjustments & Its treatment [Always start from cast books unless otherwise mentioned]. Even if start with a lass, do not change the treatment. It will be the same. -> Overheads underebsorbed it means cost incurred is more in the Hnancial books and lesser in the . Profit in the cast books is higher . . IESS > Orecheads overabsorbed

> Debit Stems included in the financial P&L & not the Cost sheet. These debit items reduce the financial profit which automatically increases the east protit. Thus Cost Protit has to LESS Examples: - Income Tax provided. · Obsolecence chaged in financial bks · Goodwill wloff > Credit Stems included in the financial P&L & not the Cost sheet. These credit items increase the financial profit which automatically reduces ADD the east protit. Thus Cost Profit has to Examples :- Dividend received Transfer fee · Bank interest received > Notional ment of own premises charged in cost accounts Notional costs can be changed only in cost books & not in financial books. Financial books any record actuals. Changing notional Cost will reduce the cast books profits & thus have ADD to be -> Stocks . Opening Stocks :-Opening stocks reduce profits. Thus, you will have to understand, where

the profit is lessed and accordingly ADD or LESS

CLOSING Stock 1-Clasing Stocks increase profits. Thus, you will have to understand, where ADD Or the profit is lesser & accordingly LESS. Same treatment for Depreciation too. >If profit is reducing in the cast bis then: ADD > If profit 12 increasing in the fluencial bks LESS. Iype II !- Financial P&L will be given. Cast Sheet to be made & difference to be drawn.

THINGS TO BE KEPT IN MIND :-

- Always first ascertain the UNITS PRODUCED before drawing the cast sheet.
- If details pertaining to a particular element is not available, the use the data present in the

financial PSL. For ex: Direct Material, Direct Lab. etc.

• Whatsoever may be the case, the value of CLOSING FG. WILL always be as per COST OF PRODUCTION as per COST SHEFT.

• After the cost sheet is done, draw the differences & work the difference as discussed above.

Type II !- Drawing Cast & financial P&L & then the

differences.

Step 1 :- Draw only 4 cost accounts :-

> Stores > Wages > FOH > WIP.

> The difference between wages Incurved & wages applied, is the amount of INDIRECT wages. Change it to FOH. the

File balance amount from FOH Ale is the underabsorption figure. Do not write it off. Carry it forward.

>From WIP, the NET FACTORY COST is what is sold @profit. The profit can be ascertained from over there & also sales Value

Step &1. Draw Anancial P&C

Dr Financia	u Profil	5 & Loss MC	<u>Cr</u>
Particulors	Amti	Particulars	Amt.
To Opening Stock	aluen in	By Sares	from Cast MC
WIP	Question	" Clasing Stock	
" Materials Puschased	aiven	Materials	+ cast Alc
" Wages " Overheads Incorred	Question	WIP	given in Question
" Loss on sale of	Only if	" Theome from	Only if
fixed assess	given	Investments	giben
		" Joid as a special	only if
		Care O Cost '	given.

Reconciliation Statement >Profit/Loss as per the cost books +/- Over/under absorption of overheads Loss on sale of fixed assets - if given - it given + Income on investment Profit/Loss as per the financial books. Lutegrated Accounting The corresponding effects given in the GLA He, will be given in its reflective Alc's. All Alc's will be opened given in the opening Trial Balance, plus the following Alc's of the least ledger > Stores > Admin A GENERAL PEL MC WILL be drawn Instead of Costing P&L FOH FG 5 E D 205 712. > WIP Oint Products & By Products Unly two types of Questions are expected from this Section. Type I 1 ype I Joint Cost Depth of allocation 8 profitability Drocelli 4 methods 2 methods.

Joint cost allocation methods

1) Physical measure method a.k.a. 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.

27 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.

& Net realizable value method (NRV) !-

Formula for NRV:-

Sale value of the final product (past processing) xxx

(2) Fuerture processing cost

Net realizable value.

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

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

4 Cons	staut Gross margin NRV:-
Formu	uation!-
Ste	p1:- Calculate the grass margin for the from as a whole:-
	Total late value of all the products XX. past processing
) Frather processing costs) Joint costs
	Gross margin Gross margin 1/ to sales.

Step2: Allocation of Joint Cast :-Product Produce A B Sales value of the final product (-) Grace margin Total Costs 6) Further processing costs Joint cost allocated. Depth of processing :-Depth of processing refer to whether a product should be further processed or not. This can be ascertained via two methods. > Check profits before further processing & atter further processing. Profit before thather processing !-Å B Gales value @ splitoff E) Joint cost XX xx Profit before further processing. Profit after further processing:-A Bates value affect fronther processing XX 22 (-) Fusture processing costs (-) Joint cost (xx) (xx)(xx) <u>[x x]</u> Profit after further processing. Whenever profit is higher, choose that option. Compare NRV with sales value @ split off. If sale value @ Split off is T then do not further process JIE NRV 15 T, then do further process.

Contract Costing lype 2 alculation junation ('0, Notional stinated Profit prof(+. 1 :u De Contract AC. Particulars Particulars Ant Amt To Opening Work Ceet. -4 - Uncertified. By work Certified Ovolue If given U work uncertified Q CO2H " all costs related XX " materials (9 site to the contract XX " materials sold, @ LOST " Notional Profit XX returned etc ALWAXS " Loss for the year (XX. the term Notional Loss as there is no such term. Type II Step1: - Prepare Contract He as prepared in Type I <u>Step 11</u>:- Prepare Statement of Estimated Profit as four us.

Statement of Estimated Profit.	
Materials,'-	
Materials_ Clasing Stock for yr1 for yr2 in yr2	xxx
Labour	
Wages paid + wages paid +/- Ols wages/ In m 1 in m2 prepaid wages	XXX.
Expenses	
Expenses paid + Expenses paid +/- Ols Expenses/ in Vr1 in Vr2 - prepaids	***
Depreciation	
Yr 1 Depreciation + Yr 2 Depreciation	<u> </u>
Total Ectimated Cost-	XXX
Contract price	XXX
Ectimated Profit	XXX

Depreciation Calculation: Divide the plant in the parts it has been returned.

Plant Plant value Plant Value which is returned Whiteh is C. site Depn for the Dep" for the time it is used. whole year the estimated period.

Differential Piece rad	te gystem.
Taylors differential pl	ece vate system.
Efficiency	Payment-
Less than 100%.	83% of piece rate
00%. or above	125% of piece rate
Memcks differential p	<u>iece rate gystem</u>
Efficiency	Payment
Upto 83%	Ordinary piece rate
887 1007.	110% piece rate
above 100%.	120% of piece rate
Compluzition of t	ime & Diece rate.
Compluation of t Gautt task & bo	ime & piece rate.
Complution of t Gantt task & bo Output	ime & piece vate. onus scheme. Payment
Combination of t Gantt task & bo Output Output below stand	ime & piece rate. onus scheme. Payment ard Guaranteed time rate
Combination of t Gantt task & bo Output Dutput below stand -u - at stand	ime & piece rate. onus scheme. Payment and Guaranteed time rate hand Time rate + 20%
Combination of t Gantt task & bo <u>Output</u> Output below stand -u — at stand -u — at stand	ime & piece rate. onus Scheme. Payment ard Guaranteed time rate hand Time rate + 20% daso Piece rate + 20%
Combination of t Gantt task & bo Output Output below stand -u - at stand -u - at stand Emmerson's Effic	ime & piece rate. onus Scheme. Payment and Guaranteed time rate hand Time rate + 20%. daso Piece rate + 20%. ieucy formula.
Combination of t Gautt task & bo Output Dutput below stand -u - at stand -u - at stand Emmerson's Effic Efficiency	ime & piece rate. Ime & piece rate. Ime & piece rate. Payment and Guaranteed time rate hand Time rate + 20% daso Piece rate + 20% ieucy formula. Payment
Combination of t Gautt task & bo Output Output Output below stand -u - at stand -u - at stand Emmerson's Effic Efficiency Upto 66.66%	Ime & piece vate. Ime & piece vate. Ime & piece vate. Ime Scheme. and Guaranteed time vate land Time vate + 20% daso Piece vate + 20% ieucy formula. Payment basic Time vate, no banvo

Tremium bonus plan :-Halsey plan:-Earnings = Hours x rate + worked plan So:/. Time x rate laved plbr Rowan plan :-Earnings = Hours x rate + (<u>Time saved</u> x Time Taken) vate plar worked plar (Time allowed Labour Turnover Replacement = No. of employees replaced x 100 method tug, no. of employees on rall ing. no. of Employées on roll Separation = No. of Employees separated X 100 Ang no.d- Employees on voll replaced + separated newly recruited lux method replaced X 100 Ang no. of Empeon roll Ang no. of Emper Opening Empercy. Empe 2.



Activity based Costing Step1: - Calculate the total cost step 2:- Calculate the total driver volume step 3: Colculate Cost driver rate. Change Individual products with the required rates. Stepu:-

2 0 10 5 (3) V/c (2) P Test Hello One fuo flore B A P 100 30 v/c (10) (20) P 20 80