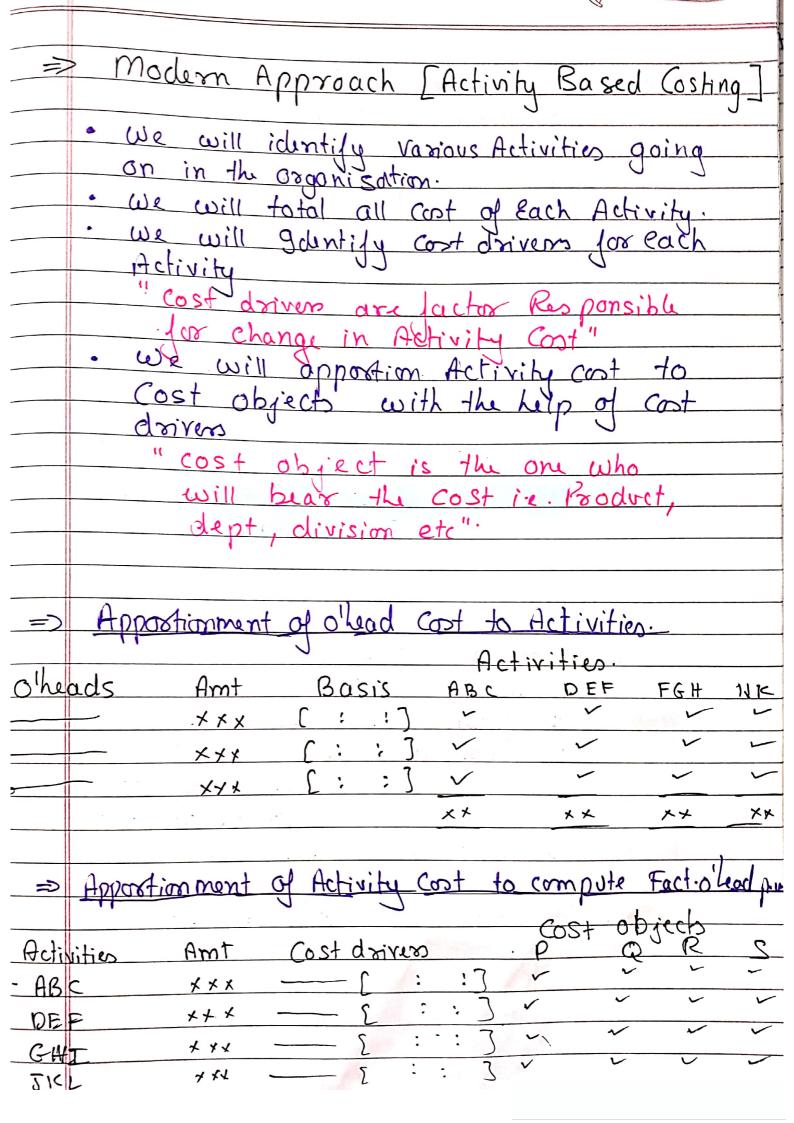


## FINAL CA MAY '19 REVISION NOTES Costing

**Summary Hand Written Notes** 

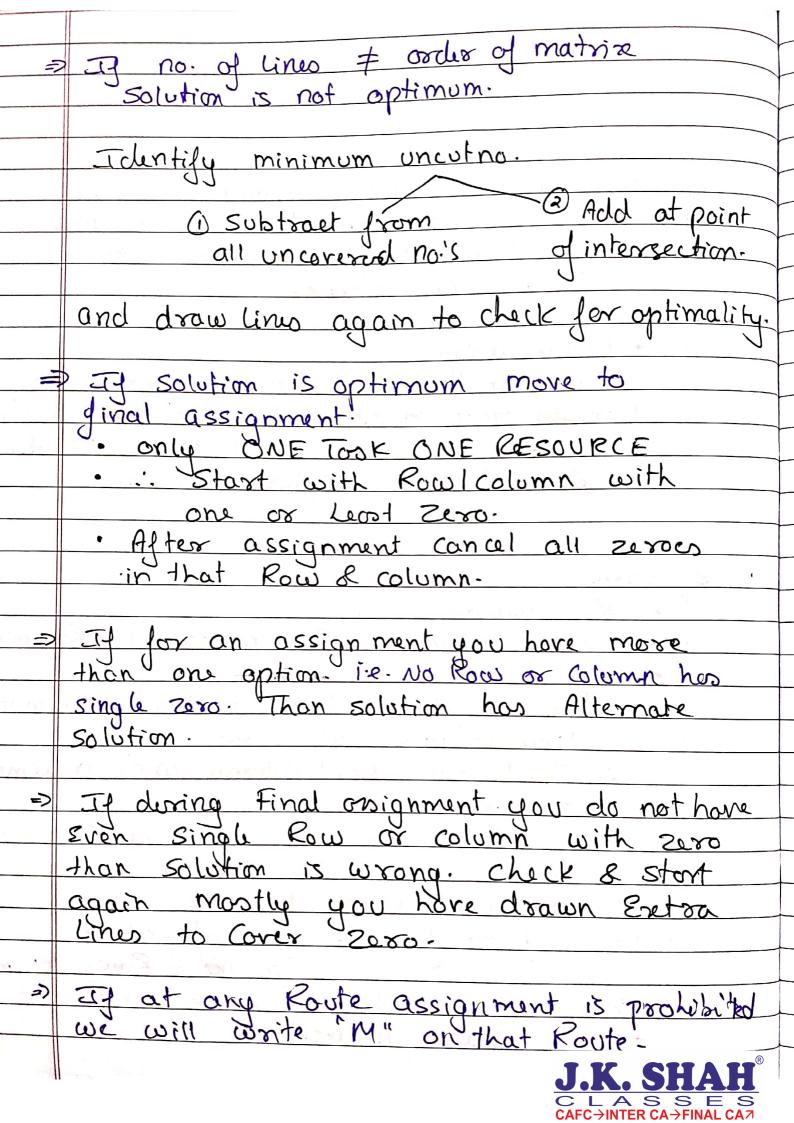
	Fletivity Based Costing.
=	Traditional Approach. [Absorption] Costing
•	Overheads is an 9ndirect Cost.
	=> Types of dipartment.
	Production dept Service dept
	Direct gndirect Only Indirect Oheads.
. •)	Distribution of O'head.  1. Allocation of o'head.  2. Apportionment of o'head.
	b. Next best basis.
	c. Last Resord -> mach Related -> mhos
	3. Redistribution of o'head of service deportment.
riad 4	Inde pendent Partially dependent. Fully depende
• (	Computation of Absorption Rate - Budgeted O'head  Budgeted level of Act.
0	output mhrs. Lab hrs Lab cost mat cost Point cost.



Note: only if question asks or out of mony activities only some activities data are give we will compute cost drivers.



=	Assign ment.
	TISSIGN TOWN.
=	Basic Condition
	· Balance matrize => Row = column
	If not than introduce dymny Raw
7771.3	colomn to the extent required to
	Balana tu matrix.
	THE RESERVE TO THE PARTY OF THE
	- Minimisation.
	If not than convert into minimisation
	Isomitate masci misation by selecting highest
	Element of matrix and subtract All
	Jeominate maximisation by selecting highest Element of matrix and subtract All Etement from Highest Element.
رته	Steps.
	· Row minima
	· Column minima Con matrix ofter Row minima
Chi	· Draw lines to cover zero.
	[Be careful you have to draw minimum
	Lines to cover all Zeros.
	:. Stort from Row Column with moximum
2 40	2000 Junior of any organism of the state of
2 6	After drawing lines pla Rechick possibility
TY	of completing in less than no. of libes
277	actually drawn to avoid mistar.
	· only if no of lines = order of matrix
	Sie not of Rows/column]
100, 25	only if no of lines = order of matrix  Sie not of Rows / column]  Solution is optimum & we con proceed  to final assignment.
	To final assign ment.
4	J.K. SHAH
	CLASSES
	CAFC→INTER CA→FINAL CA⊅

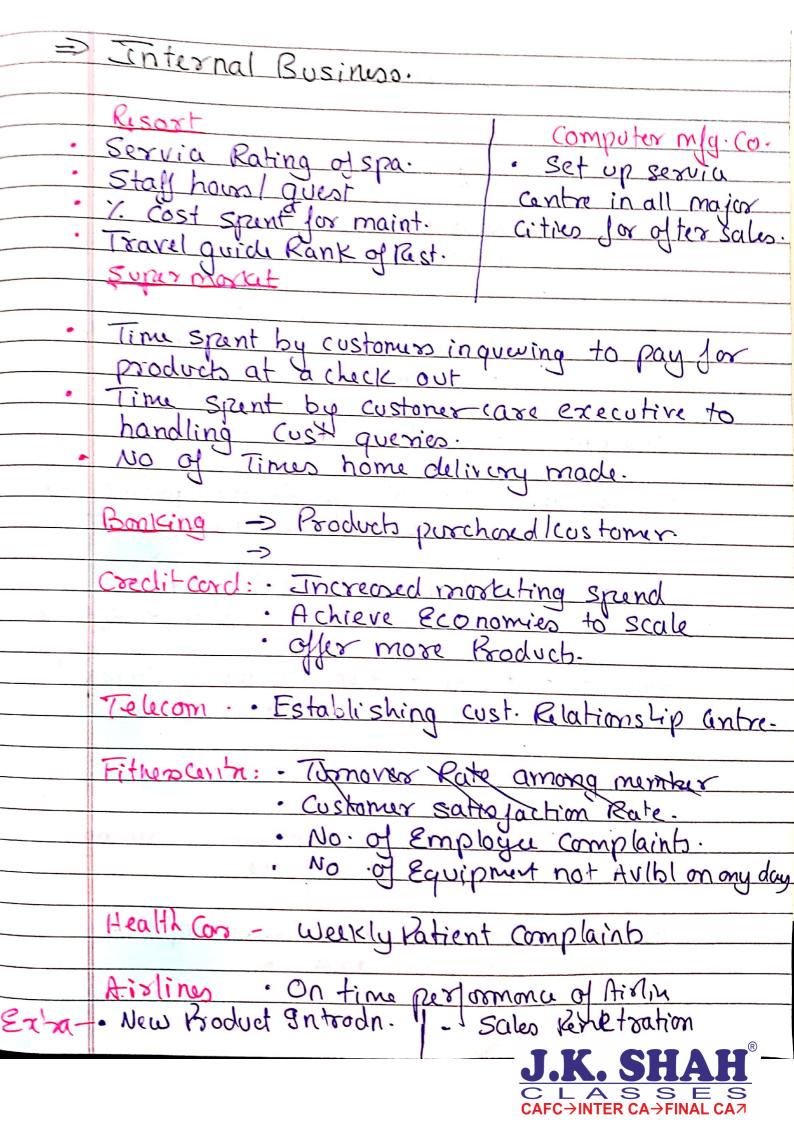


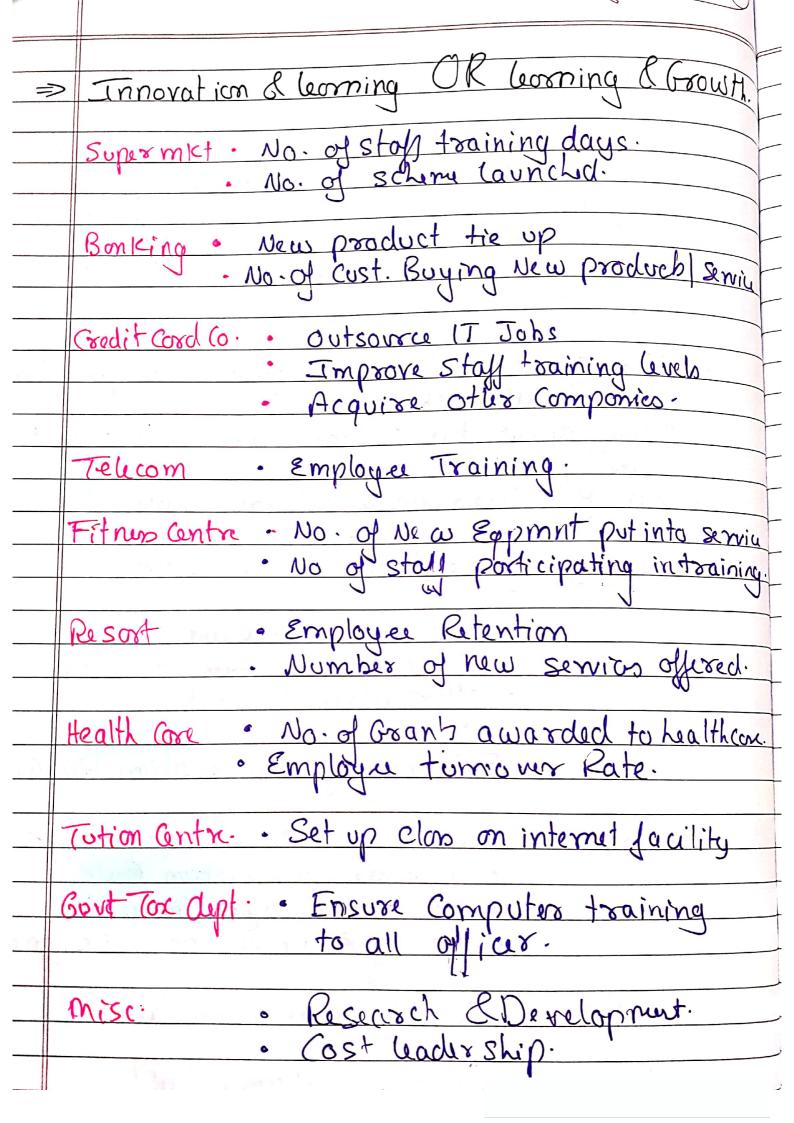
## Balance Score LARD => Customer Perspective Number of Customer Complains. Your of Customer Complains. Your of Customer using loyalty cord. No. of discount voucher reademed. Time for Loan I New Product. No. of Account closed conting No of Account closed closer Receipt Received Discourage bussiness of cheques Focus on large 5 penden Issue more Cords Service Complain Received Turnover Rate among member Customes Satisfaction Rate Flight canullation Rate Lost of Bag Reports Patient Satisfaction Survey Patient Referral Rate 100 %. on time delivery Ovality.

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CLASSES

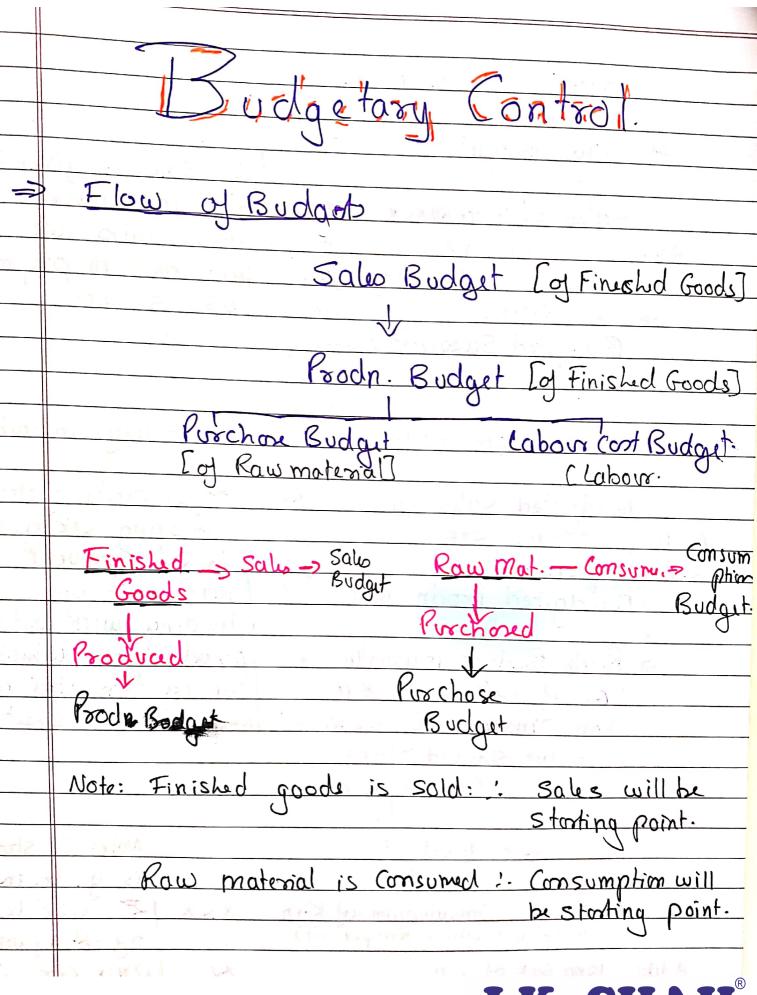
CAFC-INTER CA-FINAL CA7





=> Financial Perspective General. Profitability. Sales. Resort . Economic Value added Revenue per villa. Bonking . Growth of volume. Credit cord. Increase in mkt shore Reduce debot Increase Y. Fee. Telecom. Operating Ratio Average Revenue Fitness Centre · Operating Exp. Relating to Budget.
· Cost Flow · Total Daily operating Revenue Bonking : Outstanding Loon Balances · Perposit balance of Bonking · Non Interest Income of Bonking





J.K. SHAH

C.L.A.S.S.E.S.
CAFC-INTER CA-FINAL CA7

	Format of Budgets.
9	Sales Budget.
	If soles is given:
A	Sales of Year 20xxx xx XX I to convert it  I nor y in Sales x into units we  Budgeted sales of the convert in t
	THE GRIP IN
	Budgeted sales Oty XX will have to prepare XX S.P.P.U XX Cost sheet.
-	Budgeted Salesin (=)
=	Production Budget. 1=> Always in units
	Budgeted Sales with xx >> TI date of 1
Add:	Budgeted Sales unib xx => If data of clarge elsing stk x & soping stk given Opening stk (x) in 7 convert
V8 87;	elsng stk x & Lopna stk given  Opening stk (x) in 7 Convert  Budgeted Brodn unib xx into unit by
	Budgited Bookn unib * into unit by dividing with cost of
	Trook Budget is usually for production which
	For if asked for RM con be computed with than instead of Budgeted help of cost shut.
	Sales we should take
3 1	Budgeted Consumption.
=>	Purchase Eudget. Note: Il stock
tio we	at novin
to proper to	C Budgited Parolin x Para and its
Add:	clsng stk of Rm × price par unit.
7188	Oping stk of Km (xx)
	Budgeted Purchased of RM XXX  Budgeted Purch in (7) XXXX
	Budgeted Purch in (7) XXXX

	=> For Purchase & production Budget if
	=> For Purchase & production Budget if loss is given than that much we will have to produce or purchase more.
	hore to produce or purchase more.
114400	La what we get by Budget is Net Brodn Purch Require Add: loss to orrive out Gross prodn/ purch.
	Purch Require Add: loss to orrive out
1.771	Gross produl purch.
Ti.	to the new term of the first term of the second of the sec
-	Title 19 A To Mark O Trans A
_ \ =	> Labour Cost Budget.
	CRydated Cabour hr
	× Budaited Ratellar
7.4 A.	Budgeted Cabour hro. XXX  C Budgeted Rodn x Budg. Labhrp.u.]  X Budgeted Rate   hr XX  Budgeted Cabour Cost. XXXX
VY	15 day rea carour con
	For the Market we have the
4	# Will be stondard hours. but if workers
diam	are inefficient we will consider more
	the Sta bours
	If Efficiency Ratio is Less than 100 => grafficient
	If Efficiency Ratio is Less than 100 => Grefficient  If Efficiency Ratio is mon than 100 => Efficient-
	Efficiency Ratio = 5td hours x100 [As porting]
	Actual hours.
	Std Achol mibx100 [ As por mit]
	Std unib L'
	Expression 22.5

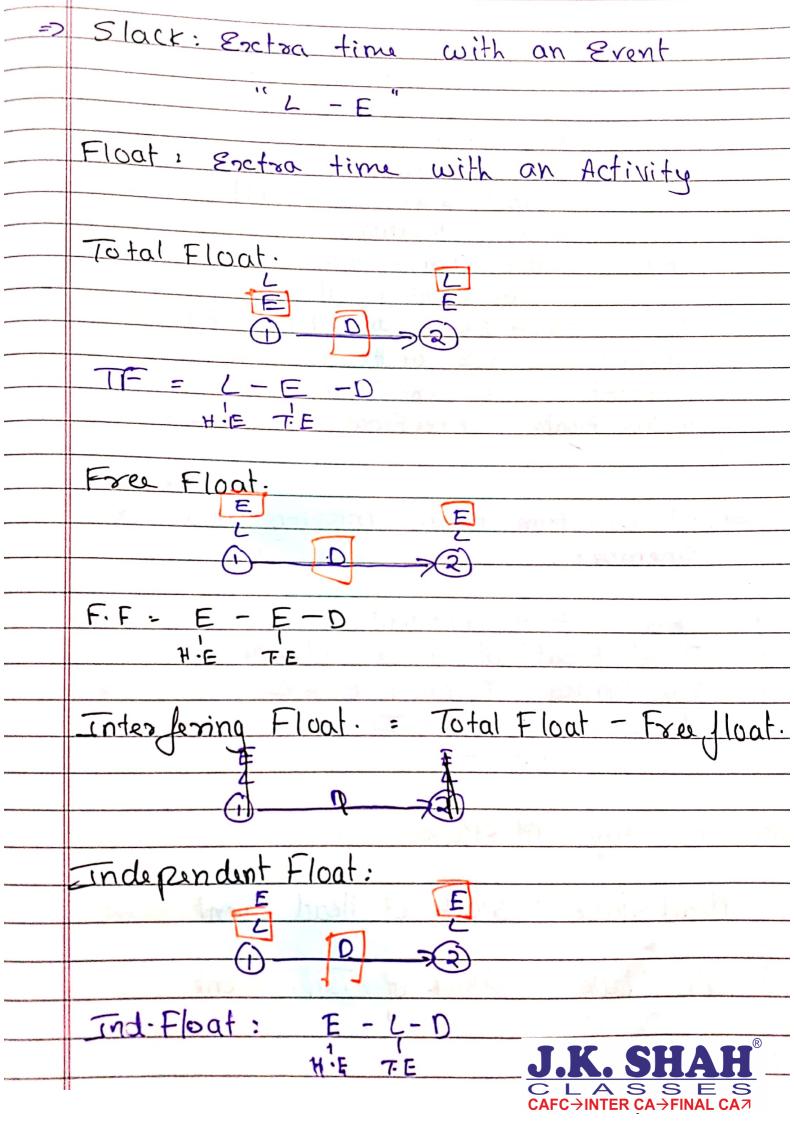


=	Flexible Budget.
1 2 2 1	Du Milani Lori Li Landi Li
	Flixible Budget is a budget which
	Flizible Budget is a budget which will identify cost into two parts
1	
	From d Cost Will Remain Constant 1880 per
	Fixed cost Cost will amain constant isoseoper of Level of Activity:  will change only if Inflation
	16:11 Cat Cuill Charles only 17 219 1211011
	Vosiable Cost (will Remain constant per unit)
	but only on unitwise.
	but only on unitwise.
1.1	=> General Tips
	· Identify question Fixed Cost & Voriable
	· Identify question Fixed Cost & Voriable cost.
	· Fixed cost will change only with inflation.  · Voriable cost will change with inflation  as well as change in units.
$-\parallel$	Locable cont will chance with inflation
	· Position con change in with.
	· Pls underline if any Step level cost
	· ris undustine if any siep aver com
SYL	is changing. i.e. After certain no of unib
	lab cost will increase or so.
	2 - 2 4 4 2 1 2 2 2 2 2 1 2 1 1 1 2 1 2 1 2
<b>⇒</b>	Cash Budget.
	Cash board
	1 1 Ralanus
	dd: Receipts
A	dd: Keceipts
* .	to the same of the
t.	es: Paymonb
	Closing Cork Balana, J.K. SHAH®
	Closing Cork Balana, J.K. SHAH
	CAFC→INTER CA→FINAL CA7

## General tips. · Identify cosh & credit tronsactions · Analyse Credit period from question or balance sheet. · mala working note for cost to be laceived. and payment to be made. by any of number shores etc. makes dommy cost budget excluding cost to be brought in. of Decide how much cost will be troought. Efficiency Ratio - Std honfer Achal Produ. Achai hon worked. Activity Ratio - Std hours (for Actual Prodn) Budgeted hrs. = Std hrs for Actual Produ. Std hrs for Std produ. [ie.] Capacity Ratio Actual hours worked Budgeted hours. (i.e) = How many how we actually worked How many how we were suppose to.



	C. P.M. P.F.R.T.
=)	Rules for Network diagram.
•	Stort from Left to Right.  Number on head Event must be greater  than tail Event.  Single Initial i-e stort & Single terminal
•	ite End point.  Avoid Bending of Activity if possible  Avoid Criss cross of Activity if possible
	Duplicate Activities.  Whenever two activilis have same  head and same tail Event.  Not allowed in Network diagram.
=> 	Dang ling Activities.  (4) Q>(1) & (3)-(5)  are dongling Activity  not allowed. So join  Them.
=>	Introduction of Dummy.  To Show correct preading  To Avoid duplicate  To Bring loose End to Common End.  To Bring loose End to Common End.  To Bring loose End to Common End.  To Bring loose End.

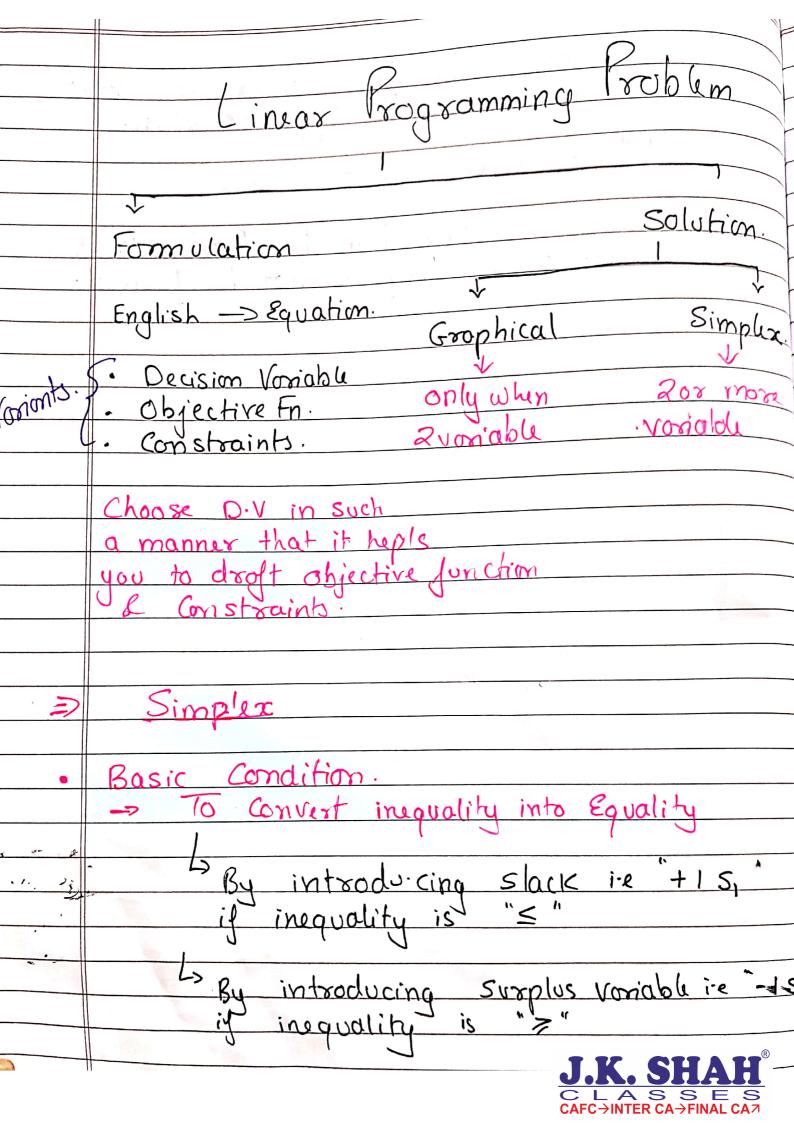


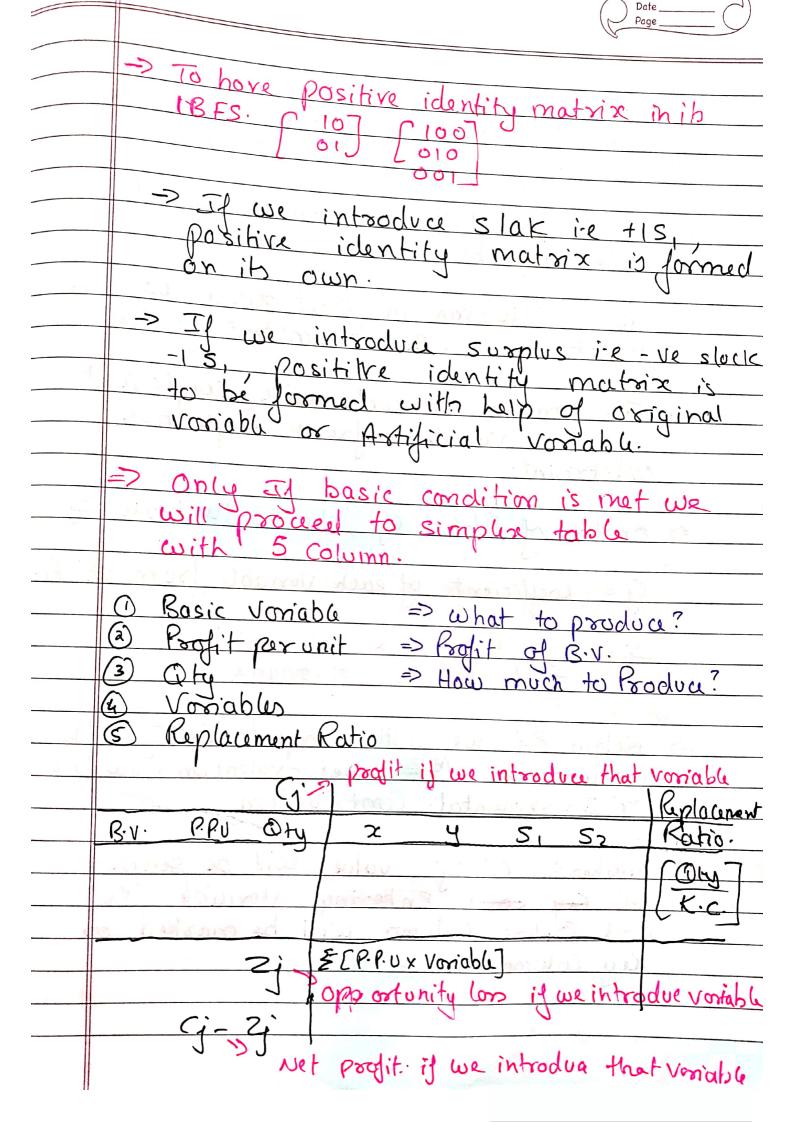
EST : Earli	est Start time of Activity
E of	Toil Event
EFT: Eorli	est Finish Time.
_	+ Duration.
11 -	t start tim of Activity
	- Duration
Lo	t Finish time of Activity  I tlead Event.
TF : (ST-	EST ON LFT-EFT
Int.Fl: 51	ack of Head Event.
Free Floret: T.	F- Int. Float.
indep. Float:	Free Float - Tailslacki
= Il question	is on missing data. Do
somember.	is on missing data. Do
· EST = F of	Tail Event
· Total Float	Tail Event of critical Activity = 0 Activity E = L
· Fox Critical	Activity E = L
· Float = L	-E-D WAR
11	7. F.
=> Two type o	Slack
7	
Head Slack:	slack of Head Event
······································	J. J
Total Clark :	Slack of Toil Event.
(UII) Stute	
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	Page
	Crashing.
	SKING.
⇒	Draw the
•	On midal / Cliagram.
	On middle of an arrow we will write duration.  On Head of an arrow: cost of crossical delays
	Co H. I A
	on Head of an arrow: cost of croshing I day  cost of croshing I day - Cost  i-e cost slope  Normal - Crosh
	(rosh cost - Normal
	Cost of croshing (day - cost
	1-e Cost slope Normal - Crosh
	disation direction.
•	on tail of on Arrow = No ofdays activity
	can be cropled by.
	on tail of on Arrow = No ofdays activity  Con be Crosled by.  i.e Normal duration - Crosl duration.
	Commission of the Language Commission of the Com
=>	Steps for Croshing.
•	Always crosh cheapest critical Activity list
	(rock by that many day so that we reach
<u>).</u>	next more num. EPlace see this stem a correlation
	After caphing Activity check what is revised
	strong from low all and not only low conficul
	Always crosh cheapest contical Activity first crosh by that many day so that we reach next moximum. EPlease see this step a correlably often cooking Activity check what is revise dooration for all ord not only for contical path?
	the procee than one contical both exact cammon.
-	If more than one critical path crosh common. Activity unless croshing individual Activity is
	Activity unwo country maintains
6	Stop croshing: when even it single critical path does not have only activity which can be
	does not have only activity which can be
- 11	
	Troptimum duration: Stop croshing when Cost of Croshing Exceeds benefits of croshing.
	of croshing Exceeds benefit of croshing.

	P.E.R.T
	Three time Estimates
. 14	= l'essimistic time = 1p Slowest
	= Optimistic time = To Fortest
	= Optimistic time = To Footest  To most likely time = Tm mostlikely
10 TO	
1	Diagram with the help of  TE: Expected time = To + 4Tm + Tp.
	IE = Expected time = 10 + aim IIP
	largent path = contical Path = Except ted Brosect
	longest path = critical Path = Expected Broject duration.
1	
	Standar deviation of Act = Tp-To
	6
	Vosionce of Activity = (Tp-Ta)2
	Vorionce of Project duration - Sum Total of All Critical Act- Vorionce
	Contical Het- Vosionel
	Charles de de sistema de
į.	Standard deviation of - Vorsiona of Project Project duration duration.
	realed meaning
1	To compute probability of specific direction
	we will use ">" table
	Z-2c-\(\overline{\pi}\) = Specific dux - Expected duxotion  Gof C.P. = of C.P.
ģ	Ed C.P.

	Date
	Learning Curve.
	Urve.
>	(1) h
	Avg hm for complative no
	will show a steady above
	will show a steady down fall.
	Units Aval
	1 1000 Total hr
	2 900 2 90x 1000
	4 810 200 1800
	8 729 290Y.
	16
	If no of unit does not last in
	Cooxen ion
Λ.	Program ion bearing Index: log of homing
-4xd	has for x Archas for > Total no. of 109 2
	has for x Archas for > Total no. of 1092 of units initial unit units
	For Totalhor = yx = ax bfl
=>	D la comina accessor of 1 11
	produis in batches than
	(1 = Ava bollont los or no al late)
	y = Avg has/cost for ac no. of batch  a = Avg has/cost for initial batch  x = Total no. of batch.
	x = Total no of batch
_=>	Be core ful for incremental unit in that
	core we find for total unit before this
	1 0 +
	unit & Yotal induding convent unit
	Be core ful for incremental unit in that core we find for total unit before this unit & total in du ding corrent unit For Eq Total of 250 - Total of 249= for 250



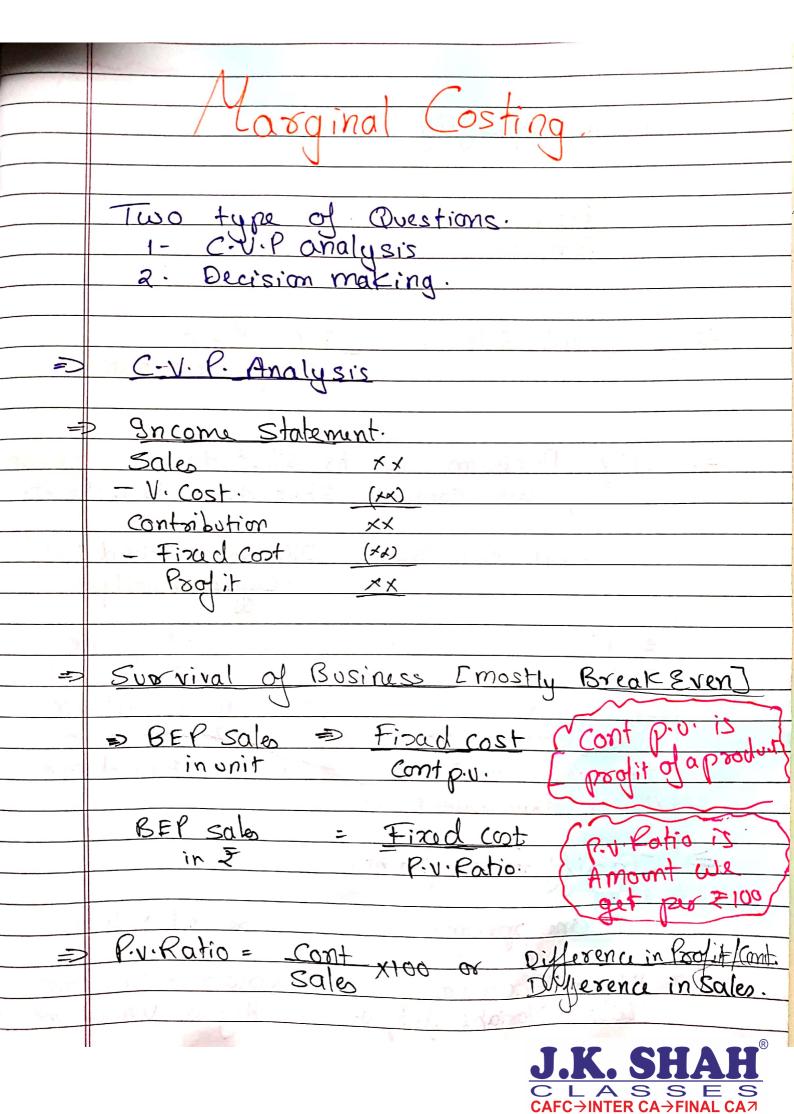


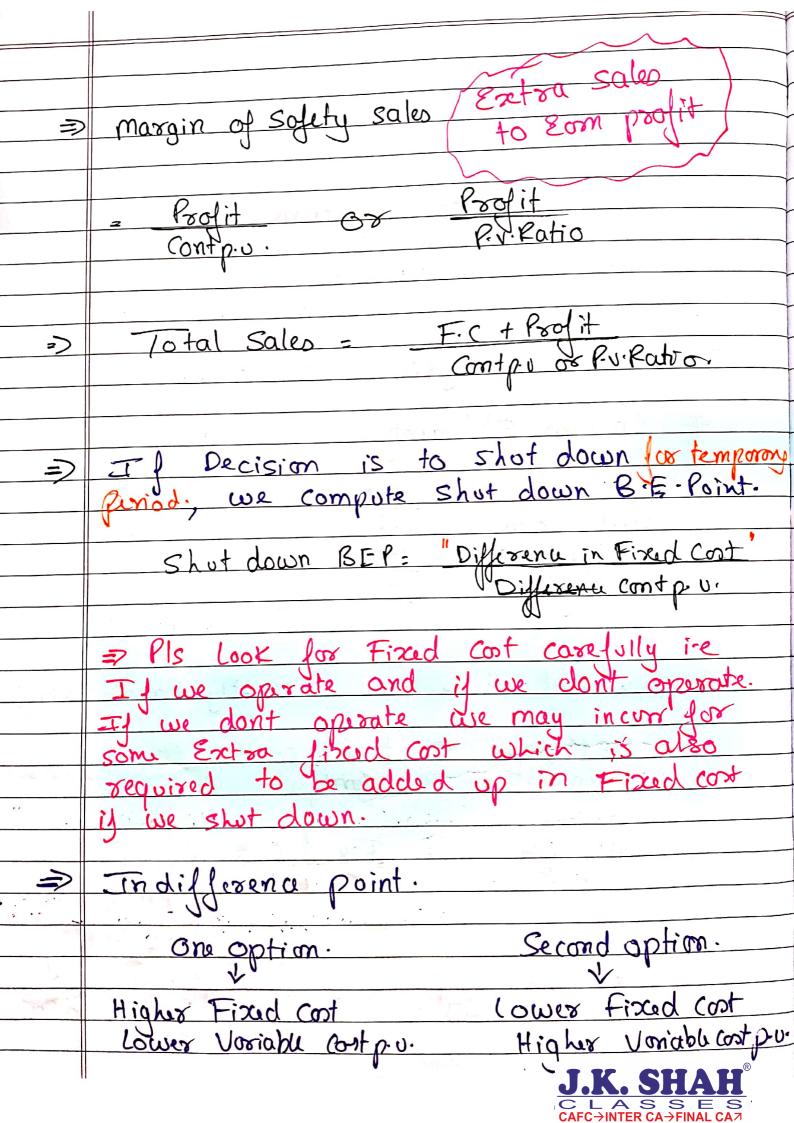
= Introduce those voriable which ore forming positive identity matrix. Profit p.v. of Bosik voriable will be from objective fr. Ory Columnin first table will be Right hand Side constant factor. es In voriable we will write coefficient of each voriable from Respective constraint. => On top of table Cj, helow the table Zj (j = Coefficient of each voriable from obj. Fr. Zj: ElProfit p.v. x Coefficient of voriable => Below Zj we will compute (j-zj" also Known os Not Evolvation Row [NER] or Incremental Contribution. Highest Cj-zi volve will be selected as ky color Entering variable Ev" and Entire Column will be marked or Key Column.

=>	
	We will now compute Replacement Ratio"
	Real Real
	racement Ratio = Oh
	Replacement Ratio = Ohy  Key Column.
(=)	40001
	Least positive value or "0" will be Selected or deporting voriable and entire Row will be morked as "Key Row"
	ordine of departing voriable and
	"K. P "Www will be mosked as
	red row
=	William Sin tendent in the same of
	Intersecting Element will be marked as key Element.
	as key Element.
	Subsequent table.
	- NO MENCE IN A WILL BY PRINCIPLE IN THE
	In subsequent table in place of Deporting
	In subsequent table in place of Deporting Variable we will introduce extering
	vonable.
	in subsequent table we will have two
	types of Row ie Key Row" & all
10 T F 10 F	In subsequent table we will have two types of Row ie "Key Row" & all other "Non Key Row"
i i i e	
New	Key Row = Old Key Row
de mod l	Key Row = Old Key Row Key Element.
	La line de la
New	Non Ky Row - Old Non Ky Old Kyx Fixed Row Ratio
and the state of	Non Ky Kow - Old Non Ky Old Kyx Fixed Row Row Ratio
	<b>★</b>
	Corresponding Ky Column
MA T	Key Element
H	

 $\parallel$ 

	Minimisation.
	All steps are same Except.
_	Instead of P.P.U it will be C.P.U.
	In moscimisation we select highest "G'-2j", In minimisation we will select Lowest i-e "Highest Negative"
	Replacement Ratio Treatment will be Same.
=>	Optimality is Reached when all Gi-zi" value are Either "O" or Hegative Positive
	e)CID care o
=>	Axiliain Variable"
=>	Arilicial Variable"
	Positive 9 dentity matrix is not formed.
	Positive 9 dentity matrix is not formed.
	Positive 9 dentity matrix is not formed.
<b>→&gt;</b>	Positive 9 dentity matrix is not formed.  If Artificial Vorsiable exist in final table soln will be termed on infeasible.
-> ->	Positive adentity matrix is not formed.  The Artificial Voriable exist in final table  som will be termed on infeasible.  Coefficient of Aritifical Voriable in objections in the content of the content
-> ->	Positive adentity matrix is not formed.  The Artificial Voriable exist in final table  som will be termed on infeasible.  Coefficient of Aritifical Voriable in objections in the content of the content
-> ->	Positive 9 dentity matrix is not formed.  If Artificial Vorsiable exist in final table soln will be termed on infeasible.





=> Indifference or Cost Break Even point. point. Difference in Fixed cost p.v. => Two type of question may come.

-> Directly Indifference point.

-> While solving sum we have

two or more alternative to choose of

Jrom. and above Condition Exist. Pls also compute Fixed Cost on wellas vosiable cost p.v. under above alternative if not given. The more than two Alternative than compute for one two at a time and than other two. Final Decision. Fo for. "Higher Fixed Cost Bot Lower V.C.P.U" Jevel of Activity below cost BEP.
Go for. "Lower Fixed Cost But Higher V.C.P.U"



=> Limiting Factor. If in any question & Limitation in any Resource is given i.e. maximum Cabour. or maximum Raw material etc. than pls check for Limiting Factor. I.R. compute Total Aveil Requirement. Total Requirement > Total Avoibibility Concept of Limiting Factor Applies. => In the Event of Limiting Factor Compute Contribution per limiting Factor for Ranking. Ranking.

=> Based on Ranking Limited Resources
Should be also cated. Note with the Help of limiting Factor
you will only get more man rontribution
It booduct wise Fixed Cost is given
than Ranking will FAIL. In that Case get mozimum Contribution first and Than decide componing product wise Fixed Cost.

I.K. SHAH

CLASSES CAFC-)INTER CA-)FINAL CA7 => General Tips. for C.V.P. Analysis => Kead question twice Undertine Regal. Post.

Services which concept is Applicable &

How con we use it.

Ji questions are orded in posts answer

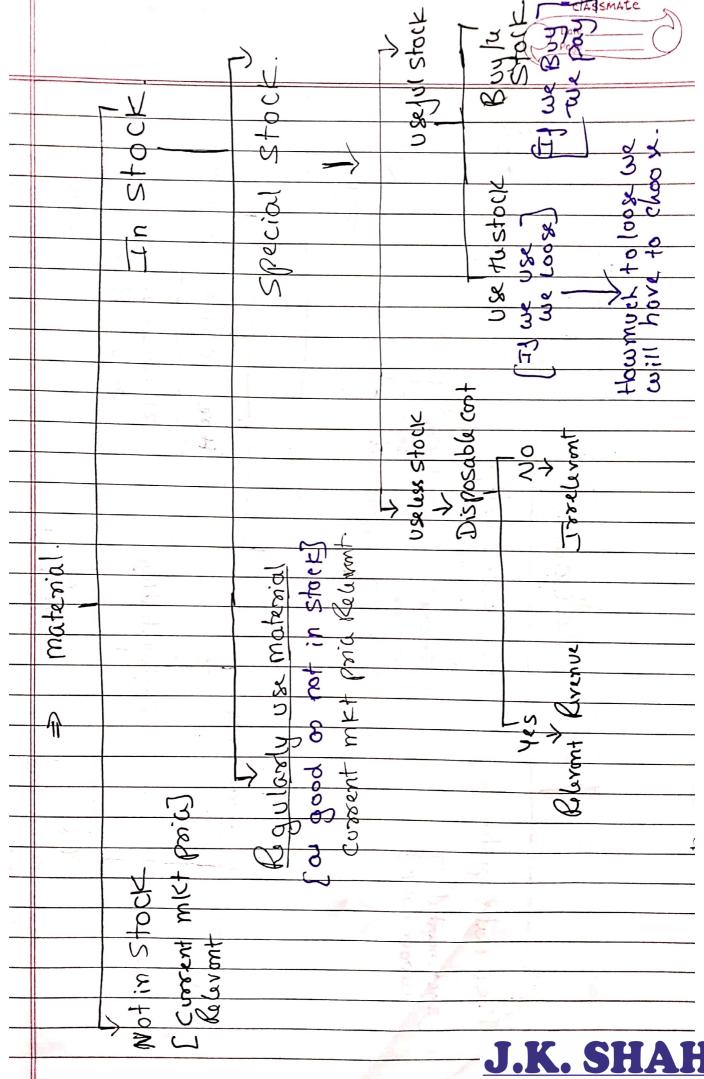
also in posts.

The Semivariable cost is given. La First treat S.V. Cost on V. Cost to
get lum sum units.

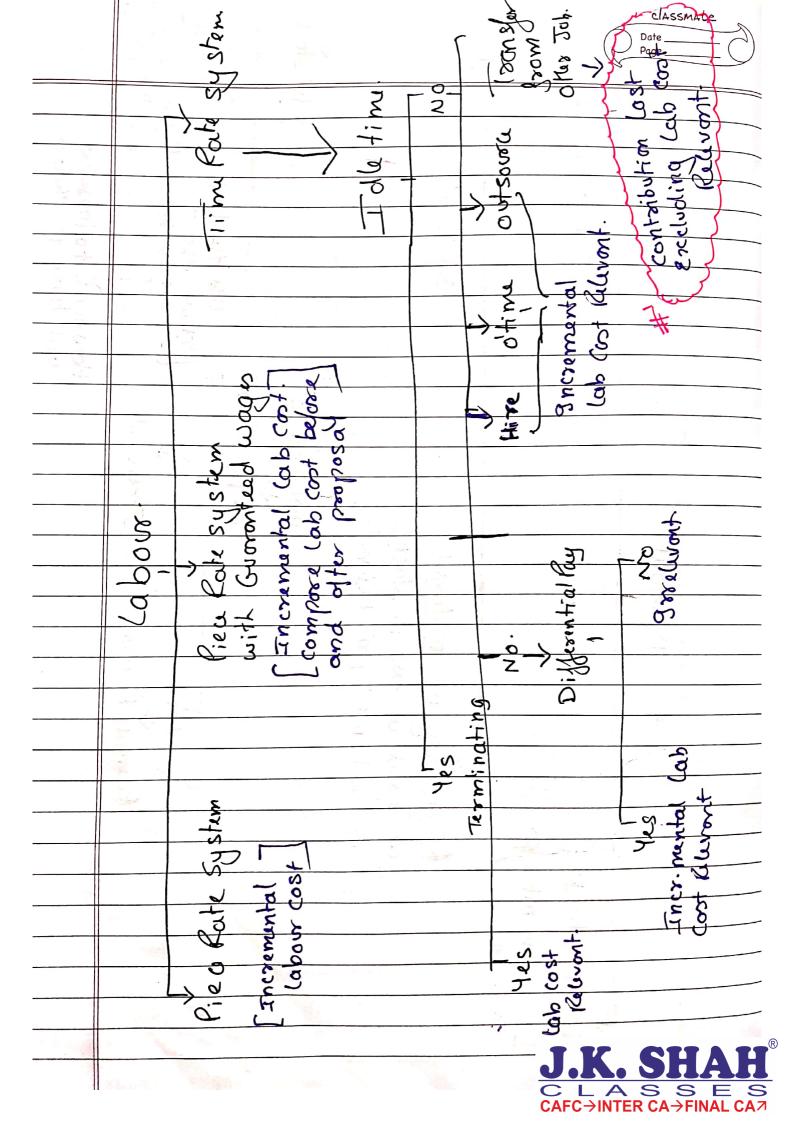
La Thon treat S.V. Cost on finant cost. = Look for Change in Fired Cost Sum. Les In such soms usually three may
be multiple Break Even.
Les Assess Botte ontion at Every
livel where fixed cost is changing.



	Le le vant Costing.
	1/2 a varii
	Anything which will happen If and only If we accept the proposal.  If we accept it will happen.  If we do not Accept it wont.  Is RELEVANT.
=	Any Thirly accept the proposal.
	in a accept it will hoppen.
	Si we do not Accept it wont-
,	REIEVANT.
	A STATE OF THE PARTY OF THE PAR
•	1. Anything which have already Happaned 2. Anything which is going to happan whether we accept the proposal or we reject the proposal it will Still happan IS AIWAYS IRRELEVANT.
	2. Anything which is going to happen
	whiter we accept the proposal or
	we reject the proposal it will SHII
-1	hannen
1	IS AIWAYS IRRELEVANT.
at.	than both a manife on stant co
<b>⇒</b>	Evaluation of Proposal.
	I Relevant Rivenue.
n r	-> money to be Received XX
<i>y</i>	7
	-> Outflow to be Avoided XX
	I XX
	It. Kelevant Cost.
	The Relevant Cost.  Thorug to be spent. xx
	> 9n/low to be Lost xx
	II XX
	Relevant Gain (Con) I-II XX.



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given or Not IJ not complete. => While computing lab contribution Exceluding lab cost. => Direct contribution is given check whiter it is inclusive of lab cost or Exclusive, If Inclusive than add back Labour Cost. Variable o'head will always be Relevant mony a time vott may be Linked to labour hour or labour cost. It may be the case labour is cost is irretirant but VOH will be Relevant. Pls be corefut in vot on it is one of the most prominent Mistake. Troad o'head will mostly be greelevent.

Only "Specific Fixed Cost" will be le levent. will always be grovelevont. LOOK for word Tincorred => Relevant.



		And the second
	ricing lolicy	
	Company => Customis	
τ.	Established product.	
Nama	* Special	
Condit V Total C	of maximal controlus.	New for Co.
Plus. Cas eve Latread establi	ore f# Flood, Earthquake etc.	
establi We con	tough competition., Yes  Recession etc	Positive Factor
demond		Marginal Cost  Plus.
	Skimming Normal Peratsonian.	bluz.
	Plus Huge Profit plus Norminal Cost plus	
	bedit Naming	
	Technological Advanced-product  Niche crowd torget etc	
	# => Intention to contact moster.  Break the competition etc.	
	intal la compatition. etc.	



=> Two Types of question.
1) Theory: Use the chart of General Knowledge.
3 Practical: Compute Pria.
· Question may osk to compute Selling Brice = Total Cost plus profit In some situation it may be voniable Cost plus profit.
et grestion Ask to com decide between two different  pricing between two products.  Note:- Product differentiation  Should be spelt out in Poice  differentiation-  - If price is not
- If profit ? ge is given or Trade discount is given than. Take Selling price on x' and proceed.
on une New Jor Co. of no prositive factor.: morginal Cont plus:

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· Special Question. compute s.p. of two product if cont labbin · Read Question and analyse data.

· Profit if given than profit plus

· Lixed cost = Contribution.

· It Fixed & variable not bifurcated bitorcate lint and add to profit.

The profit is not given but it is

given but it is

given but it is

Gentify Cost or Capital Employed

The dentify Cost or Capital Employed

lint. · Once Contribution is arrived distribute in the Ratio of Labour hours to product. · contribution plus Voriable Cost = Salespria It has is given while production we may have to produce more than.
Required. I Total cost will be charged to' product.



Special Cases of Simplise. 1. Alternate solution. Whenever Non Basic Voniable has its Cj-2j value as "O" 2. Degeneracy whenever Oty column has "O" value Solution is said to be degenerated. that will always happen if there is tile in Replacement Ratio 3. In Jeasible Solution wherever in final optimum table there exist "Artificial Variable" is "A" Solution is said to be infeasible. 4. Unbound Solution whenever for an Entering voniable, these is no voriable ready to deport ite Replacement Ratio is Either "-ve" or or" then Solution is said to be unbounded. J.K. SHAH

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5. Shadow price Cost of utilising your Resource for any Purpose other than optimum utilisation. ine "Z1" value of slack voniables. Duestions:

-> what will be loss if we shut machine
for 2 or more has. Pay for an extra hr of resource. -> How much will you charge for on hr of Resource 6. Extra Questions => How much will you want to

gracease price if customer works

to Buy the non Basic Variable.

Answer => (j-2;" value of that variable.

=> what will be effect if we introduce
a variable may be assairal or slack.

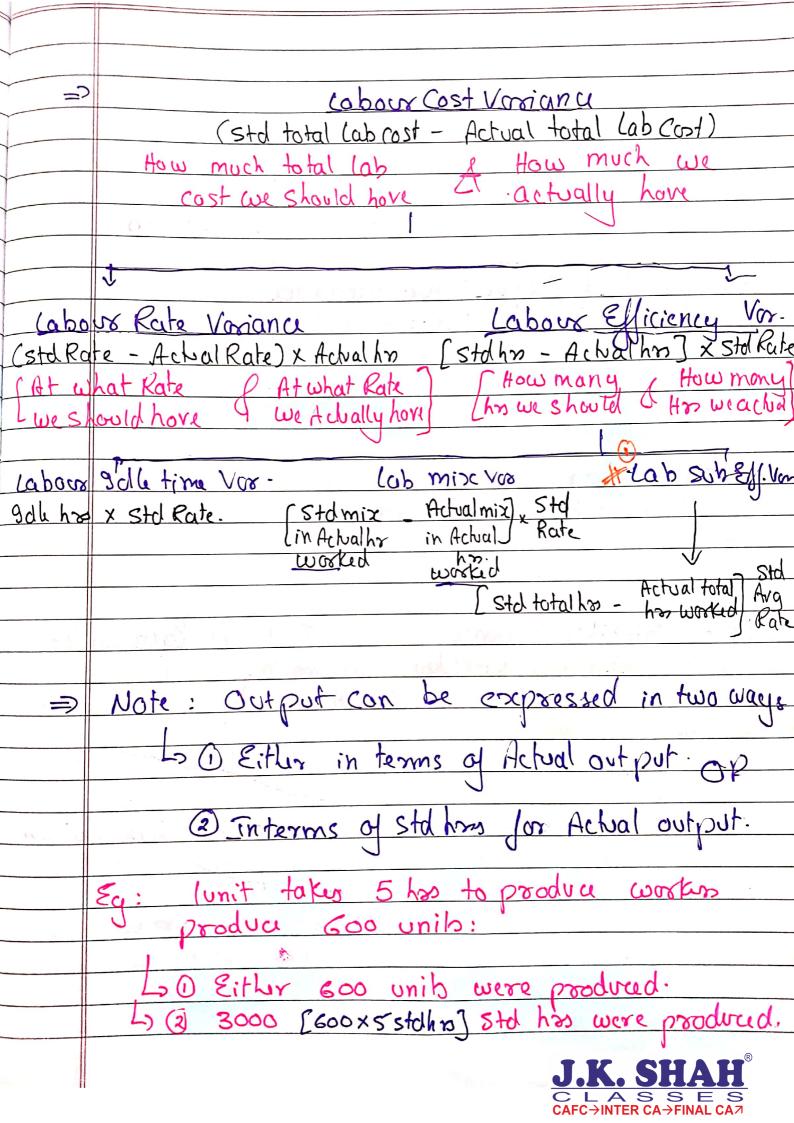
Answer => multiply no of Resource to be

introduced into Coeff of that

Variable from Constraints. J.K. SHAH CLASSES CAFC-)INTER CA-)FINAL CA7

## Standard Costing. => material Cost, Cabour Cost & VOH Cost are all voriable cost and therefore we will have to ensure both Std data as well as actual data one for some output. Material Cost vovience (Std total mot cost - Actual total mat cost) Howmuch total matcat we I How much we actually Should have incurred 4 incurred matpria Vonance material usage Vor. [Stapria - Actual pria] x Actual Oty [Std units - Actual units \ x Std How many I How mony units we should have actually hove CAt what price we should have Yield Vinima material material mix voriona Actual total Std total unib std mix for Actual mix for x L'Actual input Actual input units total Keep the base constant in Actual Compare Suport of than Std mix of Actual unit





Page	Dote
	Conscribe Callousian Al Pole
	Cost Variance
Fixed Ohou	Cost Voriance   Lunit = \( \frac{310 \text{ std unit}}{\text{std unit}} \)
Absorbed o'had	- Actual Olead.)   unit = hr [std has + std mit]
[Achalunib x A-Plunit]	Iday . E [std O'lead - stdday]
[StdlingforActual x Arietta]	
L out of the	1.1049= 17 1
( How much have we als sorthed	I How much have we actually Incurred
	V V
Fixed o'hiad Expenditure Variance	Fixed O'lead Volume Vorionce.
1 CILL all and - Lateral O'Lead	[Std unib - Achal units] RAR/unit.
Mow much we should of How much we achally ]  hore incurred incurred	f How many units we f How many units we?
Lhore incorred 9 incorred	should have produced actually produced
Fixed Aland Capacity Vaniona Fort	05101
Fired o'lead Capacity Vaniona Fort  Ested no - Actual no Jx A. Elhr 9dluhr	3db throvor. FOH Efficiency Voniona
How many how works Should hove Come	X4.KIVA
& How many ho workers a chally came	As par time : As par output:
- 1 100 Marie 43 Wester actions	Std has for Actual output xxx istd unib in Actual has xx
FOH Calendor variona FOH Net Capacity Variona	ward
[std days - Actual days] x A. P. Iday Std has in Actual days. XXX	(xxx) - Actual has worked (xxx) - Actual output (xxx)
Co Actual hos (xxx)	×× ××
How many days workers	× A·F/hr ×x y A·F/unit ×x
Should have x A.P. have x	××× 1
E XX	Should have world for Should have produced in
How many days worker How many how worker	Should have world for ; Should have produced in
achally hore. Should have in Achaldays	Hetval output & Hetval has worked &
8	the state of the s
How many has workers	How many hours worker i How many unit worker Actually worked. Actually produced.
actually have	ACTUALLY WOORLD FACENOITY PRODUCTED



VOH Cost Voniana. (Std total VOH - Actual total VOH)
[How much VOH we should have & How much yot we actually horse VOH Expenditure Voriance

CStd Vot Rate - Actual Vot Rate? x Actual (Stol) - Actual ) x Achal

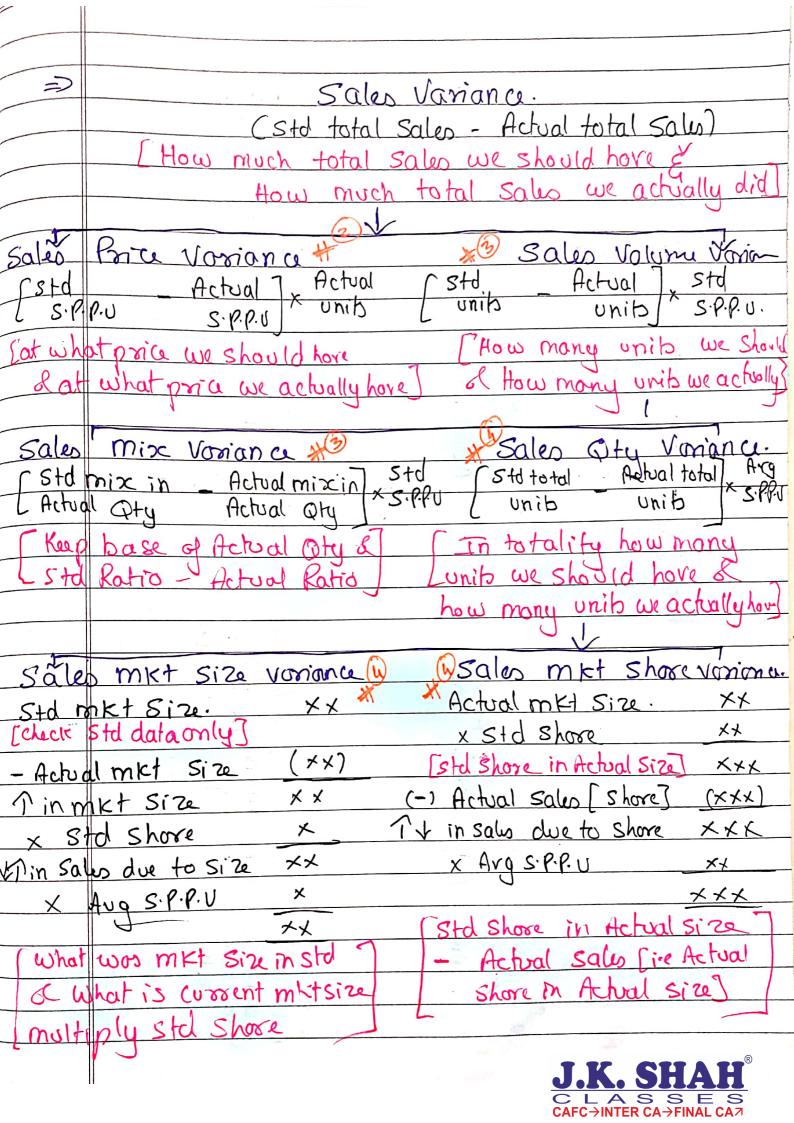
hro (hro hrs) Rote

At what Rate we should have town many his we should

of at what Rate we actually have allow many his we the Note: 1. Hours forvolt is same as labour. 2. unless other wise specified we should consider Net hours. All Efficiency Voniance are exactly some only difference is kate difference.

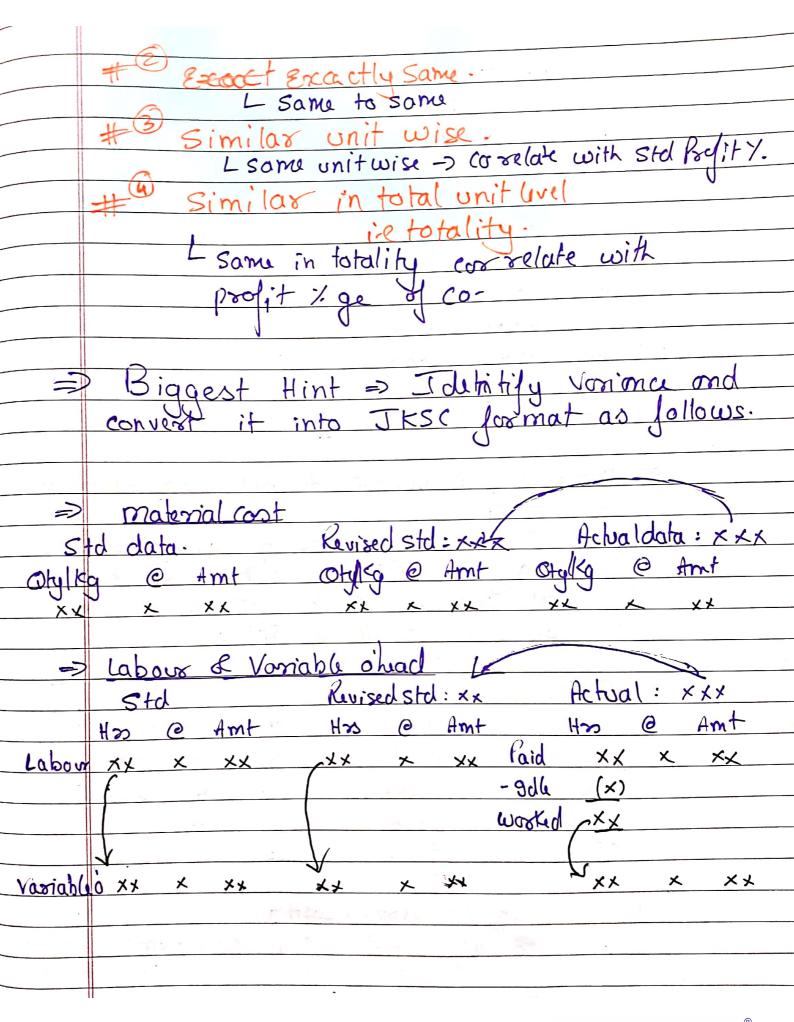
Which means if we have lany one Efficiency Voniona & Rate/hr of lab, volt & Fott we an Easily find out All other Efficiency Voniona.





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J.K. SHAH

CLASSES

CAFC-INTER CA-FINAL CA7

Note: F	for Fix	d oleac	1, sales o	& Boo	olit	
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=> Profit:	[As Par	Absorption	[ Costing]			
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		XX -	XX = XX	* 7	<b>√</b> ★ ★ =	XXX

	[As par marginal costing]
	=> Std: Booduct: S.P.P.U - V.C.P.U = Contp.uxunit= Cont-F.C=
	=Achial
	S.P.P.U - V.C.P.U = Contp.u x unib = Cont - F.C = Payit XX - XX = XX * XXX = XXX - XX = XXX
	$XX - XX = XX \times XX = XXX - XX = XXX$
	D Note : 1 0- 1:1 1/2
	Note if profit Variona is as per Marginal Costing for Fott cost variona we compute only Fott Expenditure variona.
	Tott cost vononce we compute only
	TOTI EXPENDITIVE VOYIVILL.
_	Serural Tips.
F =	· It Reconciliation of Bolit is ordiad immediately
1	· If Reconciliation of Bofit is ordited impudiately make Reconciliation Statement.
	_ t. T
	Sto profit XXX
	AJ N.P. vaniona due to Dinsales.
	-> N.P. vonionce due to \( \in \s.P.
	-> N.P. visiona due to D in Sales Volume.
	BJ N.P. vosionce due to D in cost
	-> mat cost voriona
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	· Lab Rate
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	-> VoH Cost Vonima
	VOH Exp.
	Foll Cost Voniona
	Actual Proofit XX
1	FICTUAL 100 LL

=> If two years data is given & profit Voriou.

15-to be computed than Dep Year 1 or

Std.

Lo If s.P.Pu is not given & units or

not given but only / ge increase

is given => Assume S.P.P.U or 100

and proceed with vorionce. => If wip stock is given. Lo compute Equivalent units Lo = wip mit x D.O.C. -> Revised Std will always be computed for Equivalent completed unit which may be different for mat I Lablo's



Isans lex Sicing Transfer pria will mostly decided by
Transfer pria will mostly decided by
Transfer so always thing from transferor
Point of view. But at the same time Transferor
hove right to accept it or not and how much aty. Rosa (s uo s) **->** Poes have on Does not hore External mKt. Enclemal MKt Idle copacify Total Cost plus Eve+ F.C] as he do not have any other source for Yes Recovery of Fixed cost. Na. T Voriable Cost Voriable
plus Some Cost plus
y, of Fixed Cost Shore of Profit mkt pria Variable \_\_\_Cost Nigotrated Poice. when most when outside mkt demand is oround so-60%. of capacity
is used by mutually outside mxt 1 rech => If in Exam theory yuestion is oblad Refer thost and lanswer.



	N.	~~~		
=	> Two type of	Questions	•	
	J. 3			
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	Profit/(lox) I-I	X 7 /-		
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2. Decide Transfer price or Negotiate or Range of Transfer price.
Range of Transfer pria.
Note down all Expense from Transcror point of view.
Transcror point of view.
· Also Explose opportunity i.e Sales to
outsider.
· For Trong fer pria -> minimum -> Variable Cost
· For Trong fer pria -> minimum -> Variable cot & marci mum -> Var-Cost + Cont. from outsider.
· while setting Tronsfer pria do evaluate options availaible with tronsferrer. as he will not pay more than that.
options available with tronsferrer.
as he will not pay more than that.
· Also Look for some specific exprense
· Also Look for some specific expense which will incorr or not incorrige trompered to Internal Division.
trompered to Internal Division.



Transportation. Assignment => one to one Transportation => One to Many. => Basic Requirement. · Booblem must be Feasible. i.e no of units no. of units

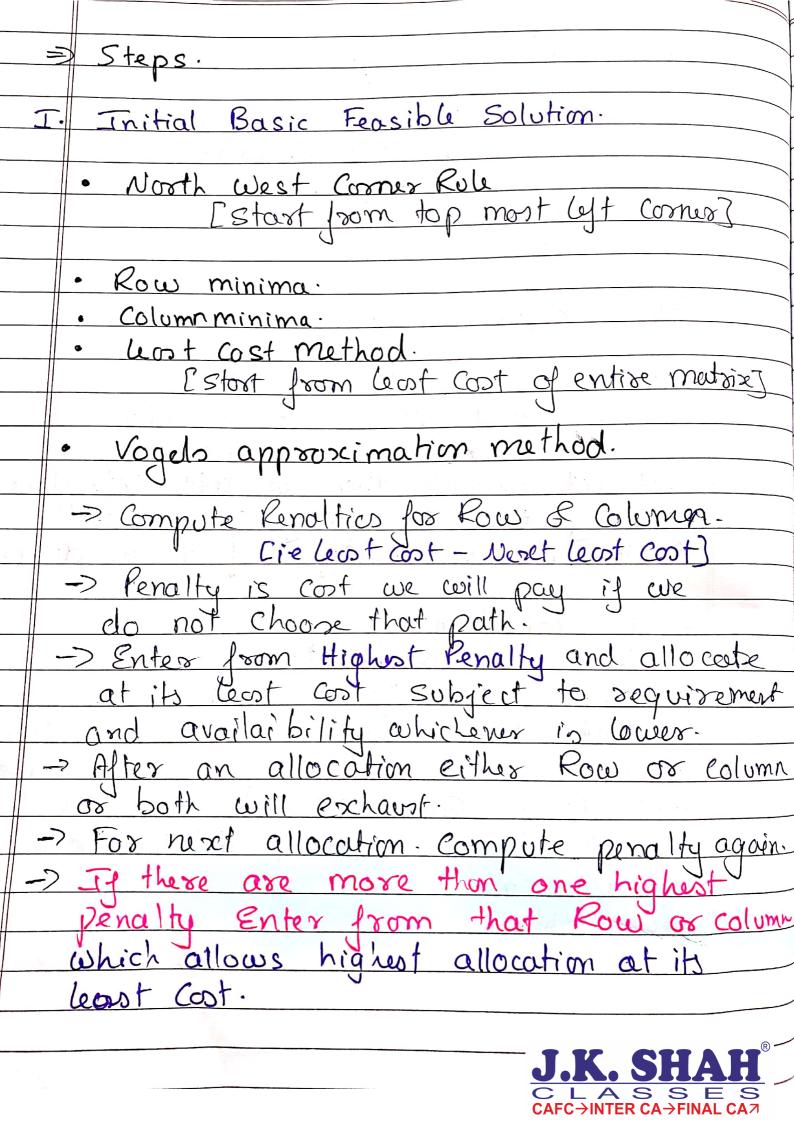
demanded Avaitable.

If not feosible than we will introduce

clummy Row OR domy column with

Ficticious availability or ficticious demand. · Minimisation. Same of Assignment. If problem is ruither Jeasible nor minimisation than in transportation preferably we will first Convert make problem Jeasible by introducing bummy & than covert into minimisation.





Store
Step II. Test of degeneracy.
1 January
No of allocations - mtn -1
The state of the s
no of Rows no of column.
J. Jass Mo of Column.
If above condition is satisfied solution is not degenerated.
is not degenerated
La transfer de la tra
It above condition > 1 1 1
If above condition is not satisfied solution is degenerated.
13 algenerated.
Ta Response de
Epcilon (3) al 19 mone de generacy we will introduce
I snow le at last cost from where
Epsilon (e) at bost cost from where Loop cannot be formed- i-e bost independent
# Could by Julion and 214 to 1911
Condition for degeneracy.
whenever ofter on allocation Row &
condition for degeneracy.  whenever ofter on allocation Row &  column both get exhausted than  degeneracy is bound to occur.
degenizaciónis Bound to occur
Step II: Test of optimality
Objective immediant don
1. Confirm whether solution is optimum
5 for Not mit do 21 b chibin of o
4.00
2. If solution is not optimum than make it obtimum.  J.K. SHAH®
make it obtimum.
J.K. SHAH
CLASSES

1. Confirm whether solution is aptimum or Not.
ac alot:
08 7001
« coe coil Evoluate unallocated cen
o we will Evoluate unallocated cell by computing Cell Evaluation
$\frac{1}{2} \frac{1}{2} \frac{1}$
C. E = Cost of unallocated - Cost of Milocaren
C.E = Cost of unallocated - Cost of Allocated
Cost - Cutu)
U= Cost - V Note Use V over to be
V= cost - U = computed only for Allocated Cello J
and a discourse of the control of th
Violen
=> Initially we may not hove any value
for Eiter U or V, we shall take
any of the one value or 2000
=> Initially we may not hove any Value for Eiter U or V we shall take any of the one value or zero to  Stort.
=> Even if one Coll Evaluation has regation volve => Solution is Not optimum.
volue 1 => Solution is Not optimum.
2. If solution is Not optimum than we will make it optimum.
will make it notimum-
· To modify distribution we will draw
Loop.
Clark Amon la valunt -100 C.F.
· Start from highest -ve C.E.
J' 08 -> - BOI NOI CHUITTON
· Can take turn only from altocated.
G Close 6012- J.K. SHAH
CLASSES CAFC-INTER CA-FINAL CA7
OAI O /INTER OA / I INAL OA/

e Put it ve sion brown where we stort
e lot it ve sign from where we stort of adjacent vertice opposite sign.
+" -> Give "-" Take.
GIV
· modilie distribution by least allocation
- Modify distribution by least allocation from where loop connot be formed.
Jan Jan Gradier

