Total Marks: 40.5 Vrilik Jain Your overall performance is good. Revise all your previous topics at least once in a week rather allocate a day in a week for revision and evaluating your performance. This will help you memorize topics and bind out shortcomings in your preparation. chain analycic helps the business to identify its value added activities. - Businesses can eliminate non-value added accivitis and improve quality of goods service and customer satisfaction. providing low cost stay services over the period and is a very profitable business. The Primary activities of Stayenell in its value Chain are. (a) Inbound logictics: handling, logistics, from place of supplies to business. from place of suprise to hotel, handling and Koeping of various crockery material, shuttle you have good concept understanding of this question. improve presentation. are received on time and without any delay (b) Operations Staywell operates low budget hotel. The turnover of customer is also fast as their Thence, Staywell must ensure that maintain their competely of low cost rooms. He since they have nooms cuoser to airports

they must ensure that the shuttle service that is provided is ontime (c) outbound jogistics (stick image of low cost hotel. - The All services provided should be value added for customers. (d) Marketing. - Staywell is in the burness for around 10 years and has built a brand image for itself as low Cost hetely Al this stage staywell doesn't require much marketing efforts. - Customers acready know the services provided by Staywell. Thousever, & Lince Staywell majorly target business people and travellers who stay for approx 2 days staywell may have offseason there at the time, staywell may provide offen and do situation based marketing avoid cutting. providing good quality service is the main operation basic requirements that they want For eq. Hot water 2x17 on domind food, air conditioned rooms; clean and sound proof roome.

- Staywell how outsovered the food and cleaning servicer. Both there services are of great importance for customers satisfaction. Hence Staywell must ensure that quality is maintained (ii) +1 Staywell is in the budget hotel business for past 10 years and has earned great profits.

The business has grown and has presence in 15 cities. - Hence it can be stid that business is in . maturity stage. and due to its brand image and wide presence over 18 preferties, it doesn't requ're much marketing. - Also, the competition in recent times has increased which has put pressure on profit margins - Hence Sizeable market share, too many competition, decreasing profit margin are all Indicators of maturity stage of business. (ii) - staywell is planning to enter the luxury resorts business. - Although , It is resort, business is in same sector a budget hotels is but the risks and operating style is different. The customes target in resorts business are people who are in vacation with their family, friends They want hurrious and a long period star unlike current customers where turnover of customers is fast 1 For a lunerious stay customers wants spacious hotel rooms, clean and big hotel properties. good inhouse food - both must menu styled and buffet food. Staywell has lurretty outsourced the cleaning and food services. There have been instances where guests have exocomplained of unhygiesic rooms and non-palatables food services. However, stock this has herer been a problem to stayuell due to fait turnave of customers. - However, in lunury resorts business, such problems may create issues for the business. -1 This will lead to bad brand image, customer will not be satisfied, bad reviews by customers to their friends and families. It timately, this - staywell must ensure that quality of outsources services remain high: Staywell may also provide these services inhouse as this will lead to go better control on services.

Q2 (i) Calculation of Contributo Marksper hr considering limiting factor as Mechine M. Small Parel. large or panel 3800 S.P 12600 (1160) (-) V-C (4300) contribution 8300 in hrs serbs 3929. 2640 0.6 Contribution perhi 4.400 Rank Total hre of Machino M.

13 hrs (-) 1 hr = 12 r per day. for \$ sdays per week.

and 50 weeks ma = 2700 hrs. per annum provides higher contribution than small ponel. Hence they should be manufactured first. however, company has agreed to provide 1000 small panel. Mence product mix will be as follows: First; manufacture 1000 small panel=1000x0.6=600hr manufacture 1500 large panel=1500= 2100 Total hours available x14 2700

Oytimum mix	
of contract for	-
It company had not taxen contract for	_
1000 small panely's company would have	_
manufactured all 1800, panels which y	_
manufactured all 1800 panels which is being demanded, and produce 300 small panels	_
Mowevet it is able to monufacture only	_
1500 Panetilaras Dapoli.	
Hence, throughput decounting ratio of large paper = Requirement time = 1800×1'4 = 1.2	
= Requirement time = 1800×14=1.2	
Available time 180 2100	
Hence TAR of large panel = 1.2.	
300× 0.6	
TAR of small panel = 1000x06 = 0.3	
1000000	
Hence, large parols have higher throughput	
accounting ratio	
(b) Profit, of next year.	
Optimum mix Current scenare	
Sale of large panel 1800 units 1500. Small panel 300 unit 1000 units	
Small panel 300 unis 1000 units	
10101 1010 000 000 000 000 000 000 000	
Sales revenue 238200010 22700000	
(-1 Material cost (8088800) (7610000)	
15732000 15090000	
(-) F.C [12000000] (12000000)	
Profil: 3732000 3090000	
	_

(a) Reduce Ungroductive time. Company much -/ Company currently has 10-15/. of unproductive time either due to staft abrenteism, routine maintenance, longer break time. I company must take step to increase the productive time which will ensure continuous production less piling up of inventory, less read time (b) Completely Utilize Bottleneck resources - Company must plan the production as po the 100% capacity of bottleneck muchine and not as per tagaity of not bottleneck machine.

This will ensure reduction in piling up of inventory, optimum production, less employee ide time, fast tumover of machine (c) Plan production of products that provide higher contribution in lesse time eg. large to chall panel. This result into production of goods that take more time but contribute Low to profit -

Q3. To
The Board of Posie 5 Marks Dear sir. avoid cutting. I goods to improve the quality of goods. Sin signa is an ideology to produce the highest quelity goode. The goods should be of such high quality that total defect, should be 3.4 per million product and improve quality of good to impressent six sigma, one of the method for existing goods is DMAIC. -1 Define :- + company must define the current problems, wetomer requirements and goale correctly explained this part fruity to assemble the good. 48%, of responses have been pertaining to this problem, while 19925/, of peristues are ruated to wrong goods being delivered or defective goods. Measure: Company must measure the process that is being implemented currently the problems has on company

- Analyze the process: Company must analyze and find various ways to solve problems. Company must provide customes with a manual that strows the described the strict control must be placed on delivery
system so that the delivery sisten time.

Also company must inspect the material before delivery, so that any detective or missing parts can be itentified - Improve ? - " company must improve the processes. - More reliance should be placed on Dequality and customer satisfaction - Although companies products are of low east but product should be of high quelity. - Company must invest in new technology for improving delivery. Company must post videos on how to gramble products, so that customer can easily assente them: Control: company must continuously monitor The process- and look for areas where improvement can be made. B part is not attempted. refer suggested answer sheet for better understanding.

DATE / / / 104. Cuffers from below defection 6 Marks (i) More manual work The current exister is not completely automated and relies a lot on manual work. The feeding of picking list is also manual which poses threat of wrong data in the system. (ii) No proper planning and use of IT:
The current system? mainly used for data entry rather than control and ERP. The system is not providing any colution with respect to storage efficient operation, storage delivery fill Not linked to Supplier system. The current wie is not connected with The suppliers are not able to five brack heir investory. -1 Also, the communication with supplier & through emails rather than using automated software if any direrepancy is found. (1) No proper storage and retrieral of data current wis doesn't provide accurate stata to the worker. Due to this workers don't prest up meterials or materials are not found in the location.

b) Propocal 1: - Store high volume item near dispatch area - If high volume item is stored near the dispatch area this will reduce the time taken to first store and remove goods - Goods can be easily removed when required with less efforts and without disturbing other goods. Hence less mad labour time will be required. - Hence this proposal will help in reducing waste, save labour time, reduce chance of mistate. Proporal 2. Shut down additional warehouse 1 If additional warehouse is shut, there will be overcrowding of inventory which will add up to current problem There will be less area to store goods Hence this proposal will not solve any problem Proposal 3: Discontinue the cyclical inventory count. I with current system which is not very dependent to rey on accuracy of data and inaccurate details of storage of inventory it is important that company conducts cyclical invertory Current wie system doesn't live brack the inventory location and is used as data entry system. V Hence the proposal will not solve any problem and will not reduce any waste

Note: The different types of waste one (0) Over production (b) Inventory West d) Marion 3) Traveling time (C) The 55, an set in orger Standardize Sustain explain 5Ss in the adoption of lean principles during the warehouse reorganization are Structurise, Systemise, Sanitize, Standardize and Selfdiscipline in proper manner. a de parte performance measure for Shine, Company must keep it work place clean and safe. Hence measuring it on sale of 1-10 view suggested answer sheet and revise again. this part. Inventory not stored in order of A to I company must keep it inventory in proper pre And determined order and in proper location so that they can easily be found when required. Total proportion of inventory not fund in order will hely company to analyze the recommendation effectivenas of predetermines & procedures

PAGE No. 3. No. of accidents due to incorrect storage This is not an adequate measure

		3 = 3		The same	E	DATE / /	
n (15.	Com	parison	of Cost	s under	JIT 91	nd old sy	stem
or A	ent s	Feb 650		A177 430	MQMa 880	1030	
stock Purchase	310 800	3800	3800	3100	3800	3800	
ble -1 Sales		(3760)((4060)	3350)	(3650)	(4830)	
- CI'S+K	650	690	430	880	1030	0	
AvgSHK	325	670	560	655	955	515.	ACC PARTIES
you ha	JIT,	i implementation	em ested yed this qu	, there respioner	will be	inventory	cing will be 0
Savir Avg Stak	ng2 in	1 61	39 200	:(-	10021000	no ted	76tal 257600
X 70)-	lition	al Sal	larg paic	es ov	ertime		
no worke	ne de	0	260	0	0	1030	
Gross he contra worked : Overtim		0	Q 73.68	0	0	1084.51	
95%. Add 5919	iry		43652			172932	2 (216584)
Cost = 159.5 x extoa h	1			Ne	t Be	nefit du	41017

DATE / / / - If PPL implements JIT, it will result in - Saving of 41017/- H - M.D. views are correct that JIT is Carrying cost and the Old cost reduces. - However to yacressfully implement JIT, infractructure network that links companys
system to supplies nemore. TIT requires great support from supplier custing should agree to supply quality goods in small quantities. - Also, employees should also be trained Implementing JIT reduces westage of good reduced lead time reduces inventory and thus reduces working capital i However company may lose out on urgent orders as there are no buffer stocks.