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	W	HICH MANAGERIAL AND ORGANIZATIONAL ELEMENTS STRENGTHEN THE CONCEPT OF
	Sŀ	HOULDICE?
		Presentation on the surgery held by the medical staff to patients and the possibility for the
		patients to meet both employee and other patients in the canteen to share experience
		Making patients wait a long time before being accepted by the hospital (long queue) in order b
		make them aware of the value of the service provided
		Being able to provide the hernia surgery in the day hospital (short and predictable time)
		Frequent interviews to patients not satisfied by other hospitals in better defining operations
2.		NTHE HQ CASE, WHICH LEVER SHOULD YOU IMPLEMENT IN ORDER TO IMPROVE COST
	F	PERFORMANCE?
		Increase capacity in order to absorb variability through extra-capacity
		Split production capacity in many small machines
		Launch production of big batches in order to reduce setups
		Decrease automation grade
3.	١	WHEN INTRODUCING A PRIORITY OF ONE CUSTOMER TYPOLOGY OVER ANOTHER, THE
	٦	THROUGHPUT TIME OF A SYSTEM
		Increases only if non pre-emptive priority
		Increases onlyif pre-emptive priority
		Remain unchanged
		Increases regardless of priority type
	H	OW WOULD YOU COMPUTE "UNCERTAINLY"?
		The difference between the average value and the actual value
		The difference between the average value and the forecasted value
		The difference between the actual value and the expected value
		None of the previous
	TH	HE IMPACT OF HEIJUNKA BOX IS OF
		Creating continuous flow
		Reducing the bullwhip effect
		Increase safety stocks
		Reducing setups
	DE	ECAF CONDITIONS ANALYSIS SUPPORTS MANAGER IN
		Increasing availability of a cell
		Defining optimal level of stocks
		Improving planning of production
		Understanding gap for creating continuous flow

7.	WHICH OF THE FOLLOWING SENTENCES ABOUT THE FUTURE STATE MAP IS WRONG?
	Once you draw the current state map, you must find improvements area and then draw the
	future state map is exists only one future state map for each current state
	☐ The aim of the future state map is to couple all production stages; if you are not able to do so, you
	can decouple stages with supermarket pull system
	☐ The aim of future state map is to reduce the overall process lead time of the company
8.	AN APPAREL SHOP WANTS TO DETERMINE BY YM THE NUMBER OF DRESSES TO BE ORDERED FOR
	THE NEXT SEASON COLLECTION. CONSIDER THAT DRESSES ORDERED BUT NOT SOLD AT THE END
	OF THE SEASON ARE ALL SOLD BY LOWERING THE PRICE BY 50% FROM 400 €/PC TO 200 €/PC (THE
	PURCHASE COSTS 250 €/PC), WHICH VALUE IS P(X <s)?< th=""></s)?<>
	_ 0,33
	」 0,75
9.	INVESTING IN CROSS-TRAINED EMPLYEES SUPPORTS COMPANY IN:
	Reducing demand variability
	Making capacity more flexible
	Increase time-buffer for customer
	Increase overall capacity
10.	. WHICHISTHE MOST PROBABLE DECISION YOU CAN FIND IF A COMPANY DECIDE TO DRIVE DIGITAL
	TRANSFORMATION THROUGH LEAN PRINCIPLES
	Automations in order to exploit new technologies for increasing capacity
	loT for making data available to operators for taking decision
	Investments in real time scheduling
	Supplier visibility on forecasts, orders and inventories in order to anticipate stock-ou
11.	
	Lower impact from overestimating demand, low production costs, high plant utilization
	Lowe impact from overestimating demand, spare part capacity, faster response time
	Higher impact from underestimating demand, longer response time, lower delivery reliability
40	
12.	EURO; THE REGULAR FULL PRICE FOR LOCAL FLIGHT IS 60 EURO. ON AVERAGE ALL TYPE OF
	PASSENGERS BUY DIRECTLY ON THE FLIGHT A BRIOCHE THAT COSTS 3 € AND COFFEE FOR 2 €;
	CHOOSE THE CORRECT ANSWER:
	Co = 49+2+3 = 54
	Co = 49
	Co = 49-2-3 = 44
	Co = 49-2+3 = 50
13.	
	VARIABILITY, WHICH LEVER DO YOU INVEST IN?
	☐ Reservation system
	Promotion
	

	Increase customer participation in the process
14.	CONSIDER A MANUFACTORING COMPANY PRODUCING SHIRTS AND DEFINE WHICH ACTIVITY IS
	VALUE-ADDING:
	Perform a quality control on the color of the shirt before the delivering to the customer
	Sew the buttons on the shirts
	☐ Bring the toolkit to the right place
	☐ Clean the stations
15.	IN THE HQ CASE, WHICH IS THE MOST SIGNIFICANT PERFORMANCE TO COMPETE THE
	CONSOLIDATED MARKET?
	Time (speed)
	Price
	Quality (design)
40	Quality (conformity)
16.	WHICH CHARACTERISTIC BELONGS TO A SINGLE QUEUE WITH RESPECT TO MULTIPLE QUEUE More service diversification
	✓ More variability in the system✓ Balking actions are less frequent
	Less variability in the system
17.	INSERITING A LAST-MINUTE TICKET, A COMPANY ADOPTING YIELD MANAGEMENT
•••	Increasing the protection level
	Decreasing the protection level
	☐ Increasing both protection level and seats for discounted rate
	☐ Not impacting on protection level
18.	SAILOR SPA PRODUCTION PROCESS IS MADE BY 5 STAGES WITH THE FOLLOWING EPE:
	EPE(S1)=2,14 DAYS; EPE(S2)=0 DAYS; EPE(S3)=2,51 DAYS; EPE(S4)=1,42 DAYS; EPE(S5)=0,66 DAYS.
	WHICH IS THE FREQUENCY ACCORDING TO WHICH SAILOR SPA IS ABLE TO PRODUCE THE WHOLE
	VOLUME AND MIX REQUIRED BY THE CUSTOMER:
	Every 2,51 days
	」 Every 1,346 days
	It depends on the volume and mix required by the customer
	」 Every 0,66 days
19.	WHICH CHARACTERISTIC BELONGS TO A PROFESSIONAL SERVICE SHOP
	_ Attention to price
	Attention to customer specific requirements
	Attention to quantity
	_ Process innovation
20.	WHICH TYPE OF COMPANY CAN BENEFIT FROM IMPLEMENTING YIELD MANAGEMENT?
	Only companies that provides a service to customer
	Companies belonging to specific industries that have fixed capacity and want to maximize their profit
	Any kind of companies able to segment the segment the market, that have fixed capacity and
	perishable inventory, high capacity change cost, uncertain demand and the possibility to sell/book
	product in advance

J	Only service companies able to segment the segment the market, that have fixed capacity and perishable inventory, high capacity change cost, uncertain demand and the possibility to sell/book product in advance
C	ONSIDERING A R&D DEPARTMENT LED BY LEAN INNOVATION CONCEPTS, WHICH IS THE MOST
P	ROBABLE CONTEXT YOU CAN FIND
	Pushing for perfect learning, launching product on the market only when all the features are completed
	Pushing for fast learning through many small iterative projects
J	Pushing for fast learning with very big teams in order to have more resources on the same project
	Teams working at the same time on more projects in parallel
IN	THE HQ CASE, WHICH OF THE FOLLOWING IS NOT CONSISTENT DECISION ACCORDING TO THE
C	ONSOLIDATED MARKET
	Meeting the demand according to MTS logic
	Customer base made of few big customers
	Incentives system based on quality conformance and delivery speed objectives
J	Work procedures strictly recommended
23.	RANK ORDER CLUSTERING IS A LEAN PRACTICE FOR:
	Reducing set-ups
	Identifying wastes
	Defining product families
J	Creating the pull
D	URING SMED
	Setups activities are automatized
	Internal activities are moved to the beginning or to the end of setup procedure
	External activities are moved to the beginning or the end of setup procedure
	Products are batched in order to reduce setups
W	HICH CHARACTERISTIC BELONGS TO A PERFORMACE THAT IS CLASSIFIED AS ORDER WINNER
	Company's price performance is very good
	It is a company's base level offering
	The performance defines the competitive advantage of the company
	If company's performance gets better, the company orders remain unchanged
R	OLE OF THE "DELIBERATE STRATEGY" IN THE OPERATIONS STRATEGY OF A COMPANY IS:
	To exploit opportunities emerging from the field in turbulent environment
	To define a clear line to take many little good choices
	To reach the gap with premium class competitors
	To define investment in new technologies
27 .	IN A MULTIPLE QUEUEING SYSTEM, WHICH ARE THE BENEFITS OF CENTRALIZATION OF BACK-
	OFFICE ACTIVITIES?
	Shortening of lead-time
	Increasing on flexibility
	Higher specialization
Ī	Increasing customization

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28.	CARGO SPA PRODUCES GLASSES (D=1000 PIECES/DAY) AND IT WANTS TO HAVE AT MAXIMUM
	5000 PIECES/SUPERMARKET. WITH WHICH FREQUENCY THE SUPPLIER SHOULD DELIVER RAW
	MATERIAL
	■ Every 5 day
	」 Every 3,33 days
	」 Twice a day
	☐ Twice per working week (week = 5 days)
29.	WHICH STRUCTURAL ELEMENTS STRENGTHEN THE CONCEPT OF SHOULDICE?
	Double rooms for patients, meeting rooms (as tea rooms or TV rooms), special stairs, surgery rooms with U shape (as manufacturing cells)
	Double rooms for patients, meeting rooms (as tea rooms or TV rooms) and meeting rooms with
	employees and patients within the canteen
	☐ Surgery rooms with U shape with reinforce the teamwork concept among medical staff
	Special stairs designed ad hoc, which enable patients to recover fast from hernia surgery
20	
30.	
	2000. THE PACKAGING DEPARTMENT IS DEDICATED TO THE PRODUCT FAMILY A AND IT IS ABLE TO
	PACK THE PRODUCT IN 12 DIFFERENT COLOURS. THE CYCLE TIME OF THIS STAGE IS 20 SEC WHILE
	THE TIME TO CHANGE THE COLOUR OF THE PACKAGING TAKES 4 MINUTES. THE DEPARTMENT IS
	100% AVAILABLE. ESTIMATE THE EPE OF THE PACKAGING:
	J 0,206
	J 0,052
	」 -0,403 」 1,234
21	WITH PRE-SHOP POOL AND WORKLOAD CONTROL PLANNING, THE COMPANY:
J 1.	Reduces WIP and shop-floor time
	·
	Controls the production and reduces necessity operators
	Reduces setups
	Immediately release production orders to shorten lead-time