

BBA in TM, 6th Sem.

Date: May 24, 2024 (Morning)

ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT) ORGANISATION OF ISLAMIC COOPERATION (OIC)

DEPARTMENT OF RUSINESS AND TECHNOLOGY MANAGEMENT

Semester	Final	Exami	nation					Summ	er Seme	ster	, A. Y	. 2022-203	23
Course N	o: BT	M 463	3					Time		:3	hours		
Course T	itle: St	rategio	e Operations	Mai	nagement			Full N	larks	: 13	50		
Answer	all 6	(six)	questions.	All	questions	carry	equal	marks.	Marks	of	each	question	an

corresponding CO and PO are written in the right margin within brackets.

1.	a)	Define operations strategy i	in terms of ma	nufacturing	and service? De	monstrate the	09	(COI)	

	model of tactical and strategic concern in manufacturing operations.		(POI)
ы	Demonstrate the sources of competitive advantage? How can a company make the	08	(COI)

competitive advantages sustainable? Give an example.		(E

c)	What are the different types of forecasting? Discuss the quantitative approaches of	08	
	forecasting.		(PO4

	totomaning.	
a)	Which factors can affect demand of a product/service? Which strategies can be 10	(CO

taken to manage demand? Discuss with example											(PO4		
b)	Write	the	classifications	of	SME	organization.	Discuss	the	sources	of	core	10	(CO

- 1			classifications			Discuss	the	sources	or	core	10	
	capab	ilitie	s of SME and la	rge	firms.							(PO3)

c)	What are building blocks of retail operation strategy?	05	(CO
			(PO

					(PO1)
a)	Define lean production,	mass customization a	nd agile manufacturing approach.	06	(CO1)
					(PO1)

b)	How do company strategies and operation management strategies align: which	12	-3
	operation management strategies can be taken for each stage of product life cycle?		(
	Evoluin those with examples		

c)	What	are	the	main	problems	associated	with	long-term	forecasting?	In	what	07	(CO
	indust	ries	mioh	st such	activities	he easier or	harde	r?					(PO4

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4.	a)	Identify	and	explain	the	four	global	operations	strategy	options a	company	can	12	(CO1)

a)	Identify and explain the four global ope choose.	rations strategy options a	company can 12	(PO1)
b)	Productivity can be measured in a vari			(CO3)

energy, material usage, and so on. At Modern Lumber, Inc., Art Binley, president and producer of apple crates sold to growers, has been able, with his current equipment, to produce 240 crates per 100 logs. He currently purchases 100 logs per day, and each log requires 3 labor-hours to process. He believes that he can hire a professional buyer who can buy a better-quality log at the same cost. If this is the

case, he can increase his production to 260 crates per 100 logs. His labor-hours will increase by 8 hours per day. What will be the impact on productivity (measured in crates per labor-hour) if the buyer is hired?

The monthly sales for Yazici Batteries, Inc., were as follows: 25 (CO3)

January	20
February	21
March	15
April	14
May	13
June	16
July	17
August	18
September	20
October	20
November	21
December	23

- Plot the monthly sales data.
- Forecast January sales for the next year using Naive method.
- Forecast January sales for the next year using 3-month moving average. Forecast January sales for the next year using 6-month weighted average
- using .1, .1, .1, .2, .2, and .3, with the heaviest weights applied to the most recent months.
- Forecast January sales for the next year using Exponential smoothing using
- an a = .3 and December forecast of 20. a) Explain the characteristics of a service operation with example.
 - Hard Rock Cafe: Operations Management in Services

 - In its 45 years of existence, Hard Rock has grown from a modest London pub to a
 - global power managing 150 cafes, 13 hotels/ casinos, and live music venues. This puts Hard Rock firmly in the service industry-a sector that employs over 75% of the people in the U.S. Hard Rock moved its world headquarters to Orlando, Florida, in 1988 and has expanded to more than 40 locations throughout the U.S., serving over 100,000 meals each day. Hard Rock chefs are modifying the menu from classic American-burgers and chicken wings-to include higher-end items such as stuffed veal chops and lobster tails. Just as taste in music changes over time, so does Hard Rock Cafe, with new menus, layouts, memorabilia, services,

and strategies. At Orlando's Universal Studios, a traditional tourist destination,

(PO1) 18 (CO2)

(PO3)

people. Most are employed in the restaurant, but some work in the retail shop. Retail is now a standard and increasingly prominent feature in Hard Rock Cafes (since close to 48% of revenue comes from this source).

Cafe employees include kitchen and waitsraff, hostesses, and harmeners. Hard Rock employees are not only competent in their job skills but are also passionest about music and have emgaging personalities. Cafe staff is scheduled down to 15minute intervals to meet seasonal and daily demand changes in the tourist environment of Orlando. Surveys are done on a regular basis to evaluate quality of food and service at the effect. Secretar sent on a 1-to-7 staff, and if the scores in the contract of Some Eric Clasterol time, his squitter on the vall to mark his fevorite but soot Some Eric Clasterol time, his squitter on the vall to mark his fevorite but soot that the contract of Some Eric Clasterol time, his squitter on the vall to mark his fevorite but soot, that the South Clasterol Clast

live masic and is redesigning its restaurants to accommodate the changing tastes. Since Eric Clapton hump his guistro on the wall to mark. his fravorie har stool, Hard Rock has become the world's leading collector and exhibitor of rock 'n' roll memorabilis, with changing exhibits at its cafes throughout the world. The collection includes 70,000 pieces, valued at \$40 million, in keeping with the times, Hard Rock also minimities a Web site www.hardrock.com, which receives over 10,0000 his per week, and a weekly cable television program on VHI. Hard Rock is board recording to \$20 kg is one of the hibstest in the world.

Discussion Questions

Identify how each of the 10 OM strategy decisions is applied at Hard Rock

 How would you determine the productivity of the kitchen staff and waitstaff at Hard Rock?

iii. How are the 10 OM strategy decisions different when applied to the operations manager of a service operation such as Hard Rock versus an automobile company such as Ford Motor Company?