Daffodil International University Department of Information Technology & Management Faculty of Science & Information Technology Final examination, Spring 2024

Course Code: ITM 304, Course Title: Production and Operation Management Instructor: DAR

Date:

For more questions: https://diugbank.com | uploader: Maisha Rahr

Total Marks: 40

Time:

- A) Answer all the Questions. [at right side the allocated marks and corresponding course outcomes are indicated]
- B) During the exam you are not allowed to leave the exam hall to have water or restroom, but if you finish early, you may leave the hall submitting the script.
- C) Do not keep your mobile phone or digital watch in your bag during the exam and keep all your belongings in a secure place.
- D) Be respectful to the Exam ethics. Use own Stationary.

Outline the bene manufacturing seconomic location. The owner of Genutation of the same variable same variable. Outline the bene manufacturing seconomic location of Genutation of Genu	ned coffee & ore, a new loc global setting. nning to start lenges it may fundamental substance. Juine Subs, Inc., outlet. She hable costs (for able costs)	their operation. Explains, hopes to eas studied	shop recently ain the benefit expand the protocolor three location	expanded their ts of expanding adesh. <i>Explain</i> anderdeveloped	5	CLO-3 L-2 CLO-3 L-2 CLO-3
Explain the character "Peyala" a renown business to Singap its operations in a generation of the seconomic location. The owner of Generation	ned coffee & ore, a new loc global setting. nning to start lenges it may function outlet. She had able costs (for able costs))).	their operation. Explains, hopes to eas studied	tion in Bangle and the protocolors to the protocolo	adesh. <i>Explain</i> Inderdeveloped	5	CLO-3 L-2 CLO-3 L-2
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its operations in a g "Starbucks" is plan what types of chall economic location. The owner of Genu by adding one new have the same vari	nning to start lenges it may f uine Subs, Inc.	their operation. Explosion. Explosion.	tion in Bangle and the protocolors to the protocolo	adesh. <i>Explain</i> Inderdeveloped	5	CLO-3 L-2
economic location. The owner of Genuby adding one new have the same vari	uine Subs, Inc. outlet. She hable costs (for	, hopes to e	expand the pr	inderdeveloped	5	L-2
economic location. The owner of Genuby adding one new have the same vari	uine Subs, Inc. outlet. She hable costs (for	, hopes to e	expand the pr	inderdeveloped	5	L-2
have the same vari	able costs (for	as studied	three location	esent operation	12	CLO-2
month for location I		L-4				
Factor	Weight	A	D			
Convenience		80	70	C		
Parking facilities						
Display area	.18					
Shopper traffic	.27	94				
Operating costs	.10	98	90			
Neighbourhood	.10	96	85	75		
	i) Identify Factor Convenience Parking facilities Display area Shopper traffic Operating costs Neighbourhood	i) Identify which location Factor Weight Convenience .15 Parking facilities .20 Display area .18 Shopper traffic .27 Operating costs .10 Neighbourhood .10	ractor Weight A Convenience .15 80 Parking facilities .20 72 Display area .18 88 Shopper traffic .27 94 Operating costs .10 98 Neighbourhood .10 96	Factor Weight A B Convenience .15 80 70 Parking facilities .20 72 76 Display area .18 88 90 Shopper traffic .27 94 86 Operating costs .10 98 90 Neighbourhood .10 96 85	Factor Weight A B C Convenience .15 80 70 60 Parking facilities .20 72 76 92 Display area .18 88 90 90 Shopper traffic .27 94 86 80 Operating costs .10 98 90 82 Neighbourhood .10 96 85 75	ronth for location B, and \$4500 per month for location A, \$4200 per month for location B, and \$4500 per month for location C. i) Identify which location would yield the greatest profits? Factor Weight A B C Convenience .15 80 70 60 Parking facilities .20 72 76 92 Display area .18 88 90 90 Shopper traffic .27 94 86 80 Operating costs .10 98 90 82 Neighbourhood .10 96 85 75

	(d)	another location would be \$ Variable consite B. Monall sites. The several year foreseeable iii) A clothing Mexico. Rebelow. The now be detented also shown	ation. Two sites 8,000 per more sts are expected the Monthly dented and is not future. Identify which hese conditions manufacturer plative locations of a cermined. Weekly in the table.	location was location was location was been central shippy quantities identify the	lose its lease, so it thy under consideration and \$9,400 per moder unit at site A and the 500 up to four thousand steady at 8,000 underside from that a determined, as shown ing point for bolts of to be shipped to each coordinates of the	st cost under in the location are location and location are		
		mustrate the	Location	(x,y)	Weekly Quantity			
		mustrate the	Location	(x,y) 5,7	15			
		mustrate the	Location A B	(x,y) 5,7 6,9	15			
		mustrate the	Location	(x,y) 5,7 6,9 3,9	15 20 25			
		mustrate the	Location A B	(x,y) 5,7 6,9	15			
		mustrate the	Location A B	(x,y) 5,7 6,9 3,9	15 20 25			
Q4	a)	Assume that	Location A B C D	(x,y) 5,7 6,9 3,9 9,4	15 20 25	and explain ne.	5	CLO-3 L-2