Date: March 07, 2024 (Morning)

BBA in TM, 6th Sem.

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

DEPARTMENT OF BUSINESS AND TECHNOLOGY MANAGEMENT

Mid-Semester Examination Course No. : BTM 4603 Course Title : Operations Management Summer Semester, A. Y. 2022-2023 Time : 1.5 hours Full Marks : 75

Answer all 3 (three) questions. All questions carry equal marks. Marks of each question and corresponding. CO and PO are written in the right margin with brackets.

- a) What is operations management? Why is it important? What do operations 15 (CO1) management professionals do?
 - b) There is a huge demand in the United States and elsewhere for affordable women's 10 (2000) coloning. Low-control choing reatives and a Systin's Zama and Seeden's H & A Mue we benefitting from their ability to quickly get mass produced, trendy new failhouts to achieve the same results. A key factor for the agile trailaries is their statements to low-cart producers in Romain and Turkey which granty structures transports to inter-benefits in the data structure of the same results. A key factor for the agile trailaries is their statements to low-cart producers in Romain and Turkey which granty structures transportation in the low-grant distance is the structure of the same results. A key factor for the agile trailer is their structures to low-cort fueltions.

Ouestion:

What possible solutions do you see for competitors such as Macy's and Gap?

- a) Why is it important to match supply and demand? If a manager believes that supply 08 (COD) and demand will not be equal, what actions could the manager take to increase the probability of achieving a match?
 - b) How can setting specific, measurable goals improve productivity in the workplace? 05 (COI
 - c) Compute the multifactor productivity measure for an eight-hour day in which the 08 usable output was 300 units, produced by three workers who used 600 pounds of materials. Workers have an hourly wage of \$20, and material cost is \$1 per pound. Overhead 1.5 times labor cost.
 - d) Strategies and tactics are very common words in operations management. Contrast 04 (CO1) the terms strategies and tactics.
- a) A manager checked production records and found that a worker produced 160 units 05 (00) while working 40 hours. In the previous week, the same worker produced 138 units while working 36 hours. Did the worker's productivity increase, decrease, or remain the same 2 hundred 2.

b) Forecasts are not perfect; actual results usually differ from predicted values. Explain 05 (CO1) why forecasts are generally wrong.

Period	Actual	Forecast
1	250	225
2	650	620
3	255	245
4	358	450
5	164	175

d) Forecasting is a crucial aspect of effective decision-making, yet in some cases it may 07 be overlooked in operations. What level of ability would an organization need in order to be able to operate without relying on forecasts?

(POI)

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