GIET UNIVERSITY, GUNUPUR – 765022
M. B. A (Fourth Semester) Examinations, May – 2024
21MBAOM24005 - Supply Chain Analytics

Time: 3 hrs   Maximum: 70 Marks

(The figures in the right-hand margin indicate marks.)

PART – A   **(2 x 10 = 20 Marks)**

Q.1. Answer *ALL* questions

		[CO#]	Blooms Level
a.	How does supply chain analytics enable the decision-making process?	CO1	K1
b.	Mention any two optimization techniques for analytics.	CO1	K1
c.	What do you understand by line balancing?	CO2	K1
d.	Give the importance of inventory in supply chain.	CO2	K1
e.	What is Process Capability?	CO3	K1
f.	How does scatter diagram help in improving quality?	CO3	K1
g.	Briefly describe the role of capacity planning.	CO4	K2
h.	What is Analytic Hierarchical Process?	CO4	K1
i.	Simulation is only an initial stage in decision making. Comment.	CO5	K2
j.	Give the difference between discrete and continuous simulation.	CO5	K1

PART – B   **(10 x 5 = 50 Marks)**

Answer *ANY FIVE* the questions

		Marks	[CO #]	Blooms Level
2.	Discuss on the KPIs for Supply Chain with an example.	10	CO1	K2
3.	Explain the classification of optimization problems.	10	CO2	K2
4.	Describe the various warehouse decisions .	10	CO3	K2
5.	Explain the Gravity Location Model.	10	CO3	K2
6.	Explain the different types of control charts with relevant examples.	10	CO4	K2
7.	Explain the types of strategies in aggregate planning.	10	CO5	K2
8.	Explain the steps in simulation. How does simulation help in analytics.	10	CO5	K2

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