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GIET UNIVERSITY, GUNUPUR - 765022
B. B. A (Fourth Semester) Examinations, May- 2024
21BBAPC24005 - Production and Operation Management

Time: 3 hrs

Maximum: 60 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. What is make-to-order system?	CO1	K2
b. What is expediting?	CO1	K2
c. Define PPC.	CO2	K2
d. What do you mean by tactical plan?	CO2	K2
e. What is estimating?	CO3	K2
f. Find the advantages of product layout.	CO3	K2
g. What is product layout?	CO4	K1
h. What do you mean by materials management?	CO4	K2
i. Define Inventory Management.	CO1	K2
j. What is stock out in inventory?	CO2	K1

PART – B**(8 x 5 = 40 Marks)**Answer **ANY FIVE** the questions

	Marks	CO #	Blooms Level
2. a. Discuss the functions of production and operations management.	8	CO1	K1
(OR)			
b. Briefly elaborate the responsibilities of operations manager.	8	CO1	K1
3.a. What is production system? Explain in brief the different kinds of production system.	8	CO2	K2
(OR)			
b. Outline the importance of Production Planning and Control (PPC) and bring out the various functions of PPC.	8	CO2	K2
4.a. A company is going to build a new plant. The site selection team is evaluating two sites, and they have scored the important factors for each as follows:	8	CO3	K2

Location Factor	Weight	Score (out of 100)	
		Site A	Site B
Labour availability	0.20	70	90
Integration with other companies	0.10	50	60
Transportation facilities	0.10	85	80
Infrastructure availability	0.30	75	70
Proximity to markets	0.30	60	70

Find the best location for the new plant.

(OR)

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|------|--|---|-----|----|
| b. | What do you mean by facility location? Explain the various methods to evaluate the location decision methods. | 8 | CO3 | K2 |
| 5.a. | A 16 hours work measurement study in a plant of electroplating reveals the following.
Unit produced = 640, idle time = 15%, performance rating = 120%, allowances = 12% of normal time.
Determine the standard time per unit produced.
(OR) | 8 | CO4 | K1 |
| b. | State the uses of time study and also explain how time study is conducted. | 8 | CO4 | K1 |
| 6.a. | What is inventory management? Explain briefly the ABC system of inventory.
(OR) | 8 | CO4 | K2 |
| b. | A company uses every month 1500 units of a component costing Rs. 1.20each. Each purchase order costs Rs 50/- and the inventory carrying cost is 6% per year of the average inventory. Find EOQ. | 8 | CO4 | K2 |

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