PRN:		Course Code :	II 2802

Final Year **B. Tech** End Semester Examination Summer 2024

World Class Manufacturing

Day and Date: Tuesday,
Time : 10:30am to 01:30P.M.

Max Marks: **100**
Duration: **03** hrs

Instructions:All questions are compulsory.

		Marks	Bloom's Level	CO
Q.1	**Attempt the following**			
a)	Explain the different criteria that a manufacturing organization should focus to be identified as World Class.	08	2	1
b)	Discuss Gunn &Maskell models for Business Excellence.	08	2	1
	OR			
b)	Describe the guiding principles and benefits of total productive maintenance program.	08	2	1
Q.2	**Attempt the following**			
a)	Explain in brief strategies for the implementation of internal benchmarking.	08	4	2
b)	List and explain KPI (Key Performance Indicators) followed by most of the manufacturing organizations in the process of benchmarking.	08	4	2
	OR			
b)	Propose suitable measures for identification and elimination of waste in a manufacturing organization.	08	4	2
Q.3	**Attempt any two from the following**			
a)	State and explain different types of control chart used in statistical process control.	08	2	3
b)	Describe the steps involved in implementation of 5-S in a manufacturing organization.	08	2	3
c)	With suitable example explain Cause and Effect Diagram	08	2	3

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Q.4	**Attempt any two from the following**				
	a)	Explain the challenges associated with change management and Suggest the action plan to overcome these challenges.	08	3	4
	b)	Propose the suitable strategies an organization can follow for effective implementation of change in a manufacturing environment.	08	3	4
	c)	Explain the process of change management in a remote and hybrid work environment.	08	3	4
Q.5	**Attempt any Two from the following**				
	a)	Explain the process of technological integration across different parts of the supply chain.	09	3	5
	b)	State the cost implications of transitioning to green manufacturing. Mention your strategies to manage them.	09	3	5
	c)	Describe in brief technologies or tools to enhance agility in manufacturing processes.	09	3	5
Q.6	**Attempt any Two from the following**				
	a)	Explain the role of employees and customers in the implementation of TQM across different departments.	09	3	5
	b)	Propose the metrics to measure the success of TQM in the world class manufacturing organization	09	3	5
	c)	Describe in brief tools and techniques for quality control and assurance in an organization which is implementing TQM.	09	3	5

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