PRN:		Course Code :	MET 402.2

Final Year **B. Tech** End Semester Examination Summer 2023

World Class Manufacturing

Day and Date: Saturday, 17/06/23 Max Marks: **100**

Time : 2:00 – 5:00 pm Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		~~Attempt the following~~			
	a)	Explain the term" World Class Manufacturing"	08	2	1
	b)	Explain "GUNN'S" model of World class Manufacturing	08	3	1
		OR			
	b)	Discuss the structure of total preventive maintenance.	08	3	1
Q.2		**Attempt the following**			
	a)	Summarize' the Levels of Benchmarking and Explain	08	2	2
	b)	Discuss the relevance of benchmarking to total quality management	08	3	2
		OR			
	b)	Discuss the "Seven Step Benchmarking Model "	08	3	2
Q.3		**Attempt any two from the following**			
	a)	Describe with neat sketch the different functions of "House of Quality"	08	3	3
	b)	List the different Quality Tools and Explain any two	08	3	3
	c)	Discuss briefly Cause and Effect Diagram with example.	08	3	3
Q.4		**Attempt any two from the following**			
	a)	Discuss the various categories of Waste as identified by Shigeo Shingo. How they can be Eliminated ?	08	3	4
	b)	Describe the major tools and techniques of JIT manufacturing	08	3	4
	c)	Describe the Elements of JIT manufacturing system	08	3	4
Q.5		**Attempt any Two of the following**			
	a)	Distinguish between Agile Manufacturing and Lean Manufacturing	09	3	5
	b)	Describe advantages of "Green Manufacturing"	09	3	5
	c)	Briefly explain the term "Supply chain Management"	09	3	5
Q.6		**Attempt any Two of the following**			
	a)	Briefly explain the 7 waste from "Lean Manufacturing"	09	3	5
	b)	Explain Implementation steps of WCOM	09	2	5
	c)	Explain the success factors for implementing WCOM in the initial stage.	09	2	5

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