Sea	t No.:	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
		M. E SEMESTER – II • EXAMINATION – SUMMER • 2014	
<b>y</b>			
	•	Name: World Class Manufacturing	
		2:30 pm - 05:00 pm Total Marks: 70	
Inst	tructio	ons: Attempt all questions.	
		Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks.	
Q.1	(a)	Write notes on principles and practices of World Class Manufacturing implementation on shop floor.	07
	(b)	How the WCM team is different from traditional manufacturing team?	07
Q.2	(a)	Explain the features and benefits of Kanban System.	07
	(b)	Explain the Just In Time Manufacturing System in detail.	<b>07</b>
	<i>a</i> )	OR	0.5
	<b>(b)</b>	Explain briefly the process views of supply chain.	07
Q.3	(a)	Discuss 5-S and 3-M from WCM.	07
	(b)	Explain the pillars of TPM.	07
		OR	
Q.3	(a)	What are the objectives of TPM?	07
	(b)	Discuss the roles to be played by the employees for an effective implementation of KEIZEN.	07
<b>Q.4</b>	(a)	What is TQM approach? Discuss the stages of implementation of TQM.	07
	<b>(b)</b>	Explain the concepts of ISO 14001.	<b>07</b>
0.4	(a)	OR Explain the steps for the development of "Jishu-Hozen" in details.	07
Q.4	(a) (b)	Explain the steps for the development of Jishu-Hozen in details.  Explain the types of maintenance in TPM.	07
0.5	` ´		
Q.5	(a)	Comment on õSupply chain management means management of materials, supplier, production facilities, distribution services and customer linked together to the forward flow of information and the backward flow of materialö.	07
	<b>(b)</b>	Explain the various decision phases in supply chain.  OR	07
Q.5	(a)	Role of IT in world class manufacturing cannot be ignoredö. Justify the	<b>07</b>
	(b)	statement.	07
	<b>(b)</b>	Discuss few automated material handling equipments in brief.	<b>07</b>

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