Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

MTM – SEMESTER – 9 - EXAMINATION - WINTER 2015

Su	bject	Code: 4290103 Date: 19/12/20	15	
Subject Name: Technology Management Time: 02.30 PM TO 05.30 PM Instructions:  1. Attempt all questions.		02.30 PM TO 05.30 PM Total Marks: 70 ons:	Total Marks: 70	
		Make suitable assumptions wherever necessary.		
Q.1	(a) (b)	Define technology and technology management. Explain the role and importance of technology management with special reference to India. Explain Distruptive technology in detail with example.	07 07	
Q.2	(a) (b)	Explain Delphi techniques as a technology forecasting in detail. What are the different stages of technology development? Explain in detail with examples.	07 07	
	<b>(1.)</b>	OR	0=	
	<b>(b)</b>	Discuss the recent technology trends in India and China.	07	
Q.3	(a)	What is the difference between leaders and followers for technology? Explain advantages & disadvantages of both with the help of example.	07	
	<b>(b)</b>	Explain the process of technology innovation.	07	
Q.3	(a)	<b>OR</b> Define management of technology guiding principles for managing enterprises.	07	
Ų.S	(a) (b)	Explain technology life cycle and market growth with example.	07	
Q.4	(a)	What are the factors to be considered in developing technology strategies and R & D management?	07	
	<b>(b)</b>	How is the evaluation of technology options & routes done? Discuss in detail.  OR	07	
Q.4	(a) (b)	Discuss the issues in the development of new high tech products with examples. What are the risks & rewards of technology outsourcing?	07 07	
Q.5	(a) (b)	Discuss the benefits of technology absorption and upgradation. "Technology assessment is different from technology evaluation". Explain & Illustrate.	07 07	
0.5	(a)	OR  Evplain how does a company which has imported a technology for a particular	07	
Q.5	(a)	Explain how does a company, which has imported a technology for a particular product adopts the technology absorption management strategy to remain competitive in the market.	07	
	<b>(b)</b>	Write short notes on:  i. Need for technology forecasting.  ii. Effects of technology change.	07	

\*\*\*\*\*\*