Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 2016

Subject Code: 2720211 **Date: 31/05/2016**

Subject Name: Software Project Management

Time:10:30 am to 01:00 pm **Total Marks: 70**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Explain software project maintenance life cycle in detail.	**07**
	(b)	Discuss the various risks in project. How the risk management plans are derived and implemented?	**07**
Q.2	**(a)**	Define Software Metrics. Explain Basic and derived metrics in detail.	**07**
	(b)	What is change management? Explain change management plan in detail.	**07**
		OR	
	(b)	Which are the triple constraints of Software project management? If time is most important is this possible to change initial scope and cost goals to meet the schedule. If yes explain with example.	**07**
Q.3	**(a)**	Give the difference between Quality Assurance and quality control.	**07**
	(b)	Explain Reverse Engineering and Re-Engineering method.	**07**
		OR	
Q.3	**(a)**	Explain capability level of CMMI.	**07**
	(b)	Discuss the key issues in software maintenance.	**07**
Q.4	**(a)**	Explain any seven quality principles defined by Dr. W. Edwards Deming's.	**07**
	(b)	Explain web based testing.	**07**
		OR	
Q.4	**(a)**	Explain test strategies for object oriented system.	**07**
	(b)	List and explain the points proposed by Tom Sant for preparing a winning project proposal.	**07**
Q.5	**(a)**	Explain steps involved in internal benchmarking.	**07**
	(b)	Explain the COCOMO model for project estimation in detail.	**07**
		OR	
Q.5	**(a)**	Explain different phases in RFP process.	**07**
	(b)	Explain the difference between resource loading and resource leveling.	**07**

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