Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E –Ist SEMESTER–EXAMINATION – JULY- 2012

Subject code: 712301N **Date: 05/07/2012**

Subject Name: Project Management

Time: 2:30 pm – 05:00 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)**	Discuss characteristics of projects and project management.	**07**
	(b)	Why should some software metrics be kept "private?" Discuss examples of three metrics that should be private. Discuss examples of three metrics that should be public.	**07**
Q.2	**(a)**		**07**
		(i) Give system requirements for spaceship or DBMS system.	**04**
		(ii) What quality a team leader should have?	**03**
	(b)	Besides the user and the contractor, what other parties are involved in the systems development cycle? Give examples for particular projects.	**07**
		OR	
	(b)	Describe the difference between open and closed systems, and between human –made and natural systems. Are all natural systems open systems?	**07**
Q.3	**(a)**	Discuss in detail critical path for ROSEBUD project.	**07**
	(b)	What is the purpose of the project scope statement? What information is used to create the scope statement? How is the scope reflected on WBS?	**07**
		OR	
Q.3	**(a)**	Discuss precedence diagramming method.	**07**
	(b)	What is the role of functional managers in developing a WBS?	**07**
Q.4	**(a)**	Discuss estimation with use-cases with an example.	**07**
	(b)	Develop a time line chart for any popular project in detail.	**07**
		OR	
Q.4	**(a)**	Discuss estimation for a web engineering project.	**07**
	(b)	What is the difference between a macroscopic schedule and a detailed schedule. Is it possible to manage a project if only a macroscopic schedule is developed? Why?	**07**
Q.5	**(a)**	Discuss known risk and predictable risks in detail.	**07**
	(b)	Discuss a software reengineering model.	**07**
		OR	
Q.5	**(a)**	Describe the difference between risk components and risk drivers.	**07**
	(b)	Discuss a BPR model in detail.	**07**

****