GUJARAT TECHNOLOGICAL UNIVERSITY
M. E. - SEMESTER – I • EXAMINATION – WINTER 2012

Subject code: 712301N   **Date: 08-01-2013**
Subject Name: Project Management
Time: 02.30 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)**	What are the characteristics of "project management?" Contrast these to functional and other types of non project management.	**07**
	(b)	Describe the following concepts and explain how they fit into systems thinking: elements, subsystems, environment, boundary, open systems, objectives.	**07**
Q.2	**(a)**	Explain Stages of Systems engineering with neat diagram.	**07**
	(b)	Explain Software restructuring and its objective in detail.	

OR

	(b)	Explain the four phase model of system development cycle with diagram.	**07**
Q.3	**(a)**	Explain planning steps in detail.	**07**
	(b)	Explain importance of master plan also explain contents of master plan.	**07**

OR

Q.3	**(a)**	Explain WBS in brief. In a WBS, how do you know when you have reached the level where no further breakdown is necessary? In what ways is the WBS important to project managers?	**07**
	(b)	What is PERT? Explain it in detail and also explain advantage of PERT.	**07**
Q.4	**(a)**	Explain W^5HH principles in detail.	**07**
	(b)	Give some measures for web engineering project Metrics.	**07**

OR

Q.4	**(a)**	Explain Software Sizing and FP based Estimation with appropriate examples.	**07**
	(b)	Explain Software metrics collection process with diagram.	**07**
Q.5	**(a)**	What is Risk Management? Why is it important? Explain Reactive Vs Proactive Risk Strategies.	**07**
	(b)	Explain the principles of project scheduling.	**07**

OR

Q.5	**(a)**	Explain BPR with neat diagram.	**07**
	(b)	A myth says: "If we fall behind schedule, we can always add more programmers and catch up later in the project." Make your own views and justify them.	**07**

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