Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

MBA - SEMESTER–III • EXAMINATION – SUMMER • 2015

Subject Code: 830402 **Date: 29-05-2015**

Subject Name: System Analysis and Design (SAD)

Time: 14:30 pm – 17:30 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 the various phases of SDLC. Explain in brief Rapid Application Development.	**07**
	(b)	Define Project Management. Explain the various project initiation activities.	**07**
Q.2	**(a)**	Define Information Systems Planning. Describe the various activities involved in it.	**07**
	(b)	How can we assess Economic feasibility of a software project? List down the other feasibility concerns.	**07**
		OR	
	(b)	What is contained in a Baseline Project Plan? Discuss the different Project risk assessment factors.	**07**
Q.3	**(a)**	Define Data Flow Diagrams. Discuss the unique guidelines for drawing Data Flow Diagrams.	**07**
	(b)	What is Conceptual Data Modeling? Explain its process.	**07**
		OR	
Q.3	**(a)**	What are the various traditional methods of collecting System requirements? Discuss the five guidelines to be followed while interviewing people individually.	**07**
	(b)	Define Decision table. Explain the steps in creating a decision table.	**07**
Q.4	**(a)**	What are common types of Business reports? Discuss the process of designing forms and reports.	**07**
	(b)	How Structure Charts are useful for representing Design specifications? What is pseudo code and what is its purpose?	**07**
		OR	
Q.4	**(a)**	List down various methods of interacting with system. Explain Menu interaction in detail.	**07**
	(b)	Define Normalization. Explain Functional dependence, Primary Key & Foreign Key.	**07**
Q.5	**(a)**	Explain in detail the various design issues related to Site Management.	**07**
	(b)	Describe the advantages of client/server architecture and summarize the six possible architectures for client / server systems.	**07**
		OR	
Q.5	**(a)**	Discuss in detail Unified Modeling Language.	**07**
	(b)	Explain the different types of System Maintenance. Also describe the factors that influence the cost of maintenance.	**07**

****