

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**
