

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**
