

GUJARAT TECHNOLOGICAL UNIVERSITY
MBA - SEMESTER-III • EXAMINATION – WINTER 2013

Subject Code: 830402**Date: 20-12-2013****Subject Name: System Analysis and Design (SA&D)****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) What is prototyping? How can prototyping and CASE tools augment SDLC? **07**
 (b) Describe and compare various sources of software. Discuss four approaches to reuse in detail. According to you, which reuse approach is the best and why? **07**

- Q.2** (a) Describe value chain analysis and how organizations use this technique to evaluate and compare projects. **07**
 (b) What are the three generic competitive strategies? Describe what is meant by information systems planning and discuss steps involved in the process. **07**

OR

- (b) Describe the activities performed by the Project Manager during project initiation and project planning. **07**

- Q.3** (a) What is the degree of relationship? Give an example of each of the relationship degrees. **07**
 (b) Define Decision table. Explain the steps in creating a decision table. **07**

OR

- Q.3** (a) What do you mean by requirement determination? And discuss contemporary, traditional and radical method for determining system requirements. **07**
 (b) What is Structured English? How do you know when to use Structured English or decision tables? Which is best for what situation? **07**

- Q.4** (a) What are the purposes of Database Design? Define Normalization and its rules. **07**
 (b) How Structure Charts are useful for representing Design specifications? What is pseudocode 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) What are common types of Business reports? Discuss the process of designing forms and reports. Which fundamental questions are to be asked while designing forms and reports? **07**

- Q.5** (a) What is E-Commerce? Explain different types of system maintenance and also describe the factors that influence the cost of maintenance. **07**
 (b) Explain in detail the various design issues related to Site Management. **07**

OR

- Q.5** (a) Discuss in detail Unified Modeling Language. **07**
 (b) Explain configuration management in detail. Also discuss the differences between reverse engineering and reengineering CASE tools. **07**
