

GUJARAT TECHNOLOGICAL UNIVERSITY**MBA - SEMESTER-III • EXAMINATION – WINTER 2013****Subject Code: 2830402****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) Define information systems analysis and design. Describe the different types of Information Systems (IS) **07**
- (b) Explain outsourcing. Describe different sources of software. **07**
- Q.2** (a) What are System Requirements? Explain Traditional Methods for Determining System Requirements. **07**
- (b) Explain the process of managing an information systems project. **07**
- OR**
- (b) Explain what is meant by critical path scheduling and describe the process of creating Gantt charts and Network diagrams. **07**
- Q.3** (a) Describe the Process of Identifying and selecting IS Development Projects **07**
- (b) Describe Data Flow Diagramming Mechanics with an Example **07**
- OR**
- Q.3** (a) Explain Conceptual Data Modelling and the E-R Model **07**
- (b) Mention the Process of Assessing Project Feasibility **07**
- Q.4** (a) Explain Database Design along with Relational Database Model and Normalization **07**
- (b) Describe the process of Designing Interfaces and Dialogues **07**
- OR**
- Q.4** (a) Describe Designing and Formatting Forms and Reports **07**
- (b) Explain Methods for Representing Design Specifications **07**
- Q.5** (a) Explain Software Testing and Installation process **07**
- (b) Explain the process of Designing Internet Systems **07**
- OR**
- Q.5** (a) Explain the process of Conducting Systems Maintenance **07**
- (b) Explain any Two from the Following **07**
- Communication Tools
 - CASE Tools
 - Financial Analysis Tools
 - Project Management tools
 - Internet Resource tools
