## **GUJARAT TECHNOLOGICAL UNIVERSITY**

MBA - SEMESTER-III • EXAMINATION – WINTER 2013

|      | U          | t Code: 2830402 Date: 20-12-2013   |          |
|------|------------|--|----------|
| Tiı  |            | t Name: System Analysis and Design (SA&D) 14:30 pm – 17:30 pm Total Marks: 70  |          |
| IIIS | 1<br>2     | Attempt all questions.  Make suitable assumptions wherever necessary.  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>(b)</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>(b)</b> | Explain the process of managing an information systems project. <b>OR</b>  | 07       |
|      | <b>(b)</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>(b)</b> | Describe Data Flow Diagramming Mechanics with an Example  OR   | 07       |
| Q.3  | (a)        | Explain Conceptual Data Modelling and the E-R Model  | 07       |
|      | <b>(b)</b> | Mention the Process of Assessing Project Feasibility   | 07       |
| Q.4  | (a)        | Explain Database Design along with Relational Database Model and Normalization   | 07       |
|      | <b>(b)</b> | Describe the process of Designing Interfaces and Dialogues  OR   | 07       |
| Q.4  | (a)<br>(b) | Describe Designing and Formatting Forms and Reports Explain Methods for Representing Design Specifications   | 07<br>07 |
| Q.5  | (a)<br>(b) | Explain Software Testing and Installation process Explain the process of Designing Internet Systems  OR  | 07<br>07 |
| Q.5  | (a)        | Explain the process of Conducting Systems Maintenance  | 07       |
|      | (b)        | <ul> <li>Explain any Two from the Following</li> <li>Communication Tools</li> <li>CASE Tools</li> <li>Financial Analysis Tools</li> <li>Project Management tools</li> <li>Internet Resource tools</li> </ul> | 07       |

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