

GUJARAT TECHNOLOGICAL UNIVERSITY
B. E. - SEMESTER – III • EXAMINATION – WINTER 2012

Subject code: 131601**Date: 03-01-2013****Subject Name: Business Information System****Time: 10.30 am – 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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|------|-----|---|----|
| Q.1 | (a) | Differentiate data and information. Explain levels and categories of information. | 07 |
| | (b) | (i) Explain Followings
1.Abstract systems 2.DSS | 02 |
| | | (ii)Write a short note on real-time System | 03 |
| Q.2 | (a) | Write a short note on data storage and explain volatile and non-volatile memory in detail. | 07 |
| | (b) | What is Optical Character Recognition? Explain in detail. OR | 07 |
| | (b) | Explain Followings
1.Scanner 2.Electronic Funds Transfer | 02 |
| | | 3.Minicomputer and Microcomputer | 02 |
| Q.3 | (a) | Define DBMS.Explain three level database architecture. | 07 |
| | (b) | Explain various file structure in detail. | 07 |
| | | OR | |
| Q.3 | (a) | Explain various database model with example. | 07 |
| | (b) | Explain Followings
1.Data modeling 2.Data-flow diagram 3.Feasibility study | 02 |
| Q.4 | (a) | Explain Followings
1.Cost estimation 2.Direct Memory Access 3.Security audits | 02 |
| | (b) | Explain Software testing life-cycle. Explain black-box and white-box testing. | 07 |
| | | OR | |
| Q. 4 | (a) | Explain core principal of information system security. Explain various threats of projects failure. | 07 |
| | (b) | Define computer crime in detail. | 07 |
| Q.5 | (a) | Explain Followings
1.Natural language processing | 03 |
| | | 2.Neural Network | 02 |
| | | 3.Fuzzy Logic | 02 |
| | (b) | What is change over ?. Explain Changeover Procedure in detail. | 07 |
| | | OR | |
| Q.5 | (a) | Explain factors that increase the risk to project failure. Explain risk management plan in brief. | 07 |
| | (b) | Explain any two in detail.
1.Payroll System
2.Account Payable System
3.Inventory Management System | 07 |
