

GUJARAT TECHNOLOGICAL UNIVERSITY**B.E. Sem-III Examination December 2009****Subject code: 131601****Subject Name: Business Information System****Date: 29 / 12 / 2009****Time: 11.00 am – 1.30 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) Explain all the business work areas Also their interrelationships with a suitable diagram. **07**
- (b) Define the following terms with it's use
- | | |
|------------------------|-----------|
| (i) Response time | 01 |
| (ii) Data Independence | 02 |
| (iii) Pilot Running | 02 |
| (iv) Activity Ratio | 02 |
- Q.2** (a) (i) Compare and contrast Mini & Micro computer systems **04**
(ii) Describe the word processing facilities **03**
- (b) Write a note on storage and access modes of Direct Access file organization **07**
- OR**
- (b) Write a note on different types of DBMS systems **07**
- Q.3** (a) Explain different stages and iterations in system investigations **07**
(b) What are system analysts? Explain the duties of each. **07**
- OR**
- Q.3** (a) What are decision tables ? Explain it's use **07**
(b) What are the questionnaires ? Give the guidelines to questionnaire design. **07**
- Q.4** (a) What are Data Flow Diagrams (DFD)? And what are the Structure Diagrams (SD)? Differentiate both by use, with one example each **07**
(b) What are the major 3 types of data validation methods? Explain. **07**
- OR**
- Q.4** (a) What is a computer crime? Brief the methods to minimize data threats? **07**
(b) Write a note on information system security **07**
- Q.5** (a) Write a note on Payroll system Design **07**
(b) Differentiate program testing, routine testing and test data in system implementation. **07**
- OR**
- Q.5** (a) What is change over? Discuss briefly different changeover procedures. **07**
(b) Define and explain the following terms.
- | | |
|---------------------------|-----------|
| (i) Throughput speed | 02 |
| (ii) Tactical information | 02 |
| (iii) Fuzzy logic | 02 |
| (iv) Dumping | 01 |
