

GUJARAT TECHNOLOGICAL UNIVERSITY**B.E. Sem-III Remedial Examination May 2011****Subject code: 131601 Subject Name: Business Information System****Date: 20-05-2011****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.

- Q.1** (a) Explain the need of user Knowledge and Training. **07**
 (b) What is Network? Explain all Types of Network. **07**
- Q.2** (a) What is OCR? Explain the process of OCR in detail. **07**
 (b) Explain Magnetic tape and Optical Disk **07**
- OR**
- (b) Answer the following
 1. What is Fuzzy Logic? Write the application areas of fuzzy logic. **05**
 2. List types of Communication channels. **02**
- Q.3** (a) Explain Sequential, Direct Access and index file structure in detail. **07**
 (b) Explain SDLC (System Development Life Cycle) in Detail. **07**
- OR**
- Q.3** (a) What is Fact-finding Method? Explain any three Methods. **07**
 (b) Explain the following Terms.
 1. Logical file system. **02**
 2. Job Scheduler. **02**
 3. Auditing. **03**
- Q.4** (a) What is data flow diagram? Draw Context level DFD for mess management system. **07**
 (b) What is system Appraisals? Explain the system Appraisals in detail. **07**
- OR**
- Q. 4** (a) Explain the term “Risk”. Discuss factors that can increase the risk. **07**
 (b) Explain the following Terms.
 1. Viruses and Worms **03**
 2. Diving and Wiretapping **03**
 3. Define : Information Security. **01**
- Q.5** (a) Explain MIS(Management information System) and DSS(Decision Support Systems). **07**
 (b) Explain Natural Language Processing and task of it . **07**
- OR**
- Q.5** (a) Write a note on Payroll system Design. **07**
 (b) Answer the following questions.
 1. what are the benefits of Automated Account payable system **04**
 2. explain the term “Inventory Management System” **03**
