

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-III • EXAMINATION – SUMMER • 2014****Subject Code: 131601****Date: 23-05-2014****Subject Name: Business Information System****Time: 02.30 pm - 05.00 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 System Development Life Cycle in detail. **07**
 (b) Compare and contrast **07**
 (i) Serial & Parallel Transmission
 (ii) Synchronous & Asynchronous Transmission
- Q.2** (a) Explain Hierarchical and Faceted classification **07**
 (b) What is Communication? Explain Elements of communication and its process **07**
- OR**
- (b) Explain Business Work Area in detail. **07**
- Q.3** (a) Explain Sequential, Direct Access and index file structure in detail. **07**
 (b) Explain the following Terms.
 1. Logical file system **03**
 2. Auditing. **02**
 3. Magnetic Drum **02**
- OR**
- Q.3** (a) What is Fact-finding Method? Explain any three Methods **07**
 (b) Give Brief idea about Expert System **07**
- Q.4** (a) List out the Requirements of Code Numbers and Explain Code numbering schemes in detail **07**
 (b) Explain Changeover Procedure in detail. **07**
- OR**
- Q.4** (a) What is data flow diagram? Draw Context level DFD for Library management system **07**
 (b) What is OCR? Explain the process of OCR in detail. **07**
- Q.5** (a) Write a note on software testing life cycle **07**
 (b) Write a short note on Neural Networks **07**
- OR**
- Q.5** (a) Write a note on Payroll system Design **07**
 (b) Define and explain the following terms
 1. Feasibility Study **03**
 2. Dumping **02**
 3. Job Scheduler **02**
