

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-III EXAMINATION – WINTER 2015

Subject Code:131601**Date:18/12/2015****Subject Name: Business Information System****Time: 2:30pm to 5:00pm****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) What is a system? What is a boundary? Explain the different types of the system. **07**
- (b) Explain the levels of information and categories of information. **07**
- Q.2** (a) Write a note on Electronic mail system. **07**
- (b) Write a short note on Optical disk. **07**
- OR**
- (b) List the different types of printers and explain laser printer mechanism. **07**
- Q.3** (a) Explain information system security in detail. **07**
- (b) What is a change over? Briefly describe the changeover procedures. **07**
- OR**
- Q.3** (a) Explain the different stages and iterations in system investigations. **07**
- (b) Explain the difference between the serial file, sequential file and indexed sequential file organization with structure. **07**
- Q.4** (a) What is a computer crime? Brief the methods to minimize data threats. **07**
- (b) Write a note on different types of Database Management System (DBMS). **07**
- OR**
- Q.4** (a) List out factors that increase the risk to project failure and explain any three factors with suitable example. **07**
- (b) What are the major three types of data validation methods? Explain. **07**
- Q.5** (a) What is a payroll system? What are benefits if the payroll system is implemented inside the company? **07**
- (b) Differentiate program testing, routine testing and test data in system implementation. **07**
- OR**
- Q.5** (a) What is account payable system? What are the inputs and outputs of the system? **07**
- (b) Write a short note on Neural Networks. **07**
