Seat No.: _____ Enrolment No._____

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**

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