GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–III (OLD) EXAMINATION – WINTER 2017

Subject Code:131601   **Date:29/11/2017**

Subject Name: Business Information System

Time: 10:30 AM to 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)**	What is a system? What is a boundary? Explain the different types of the system.	**07**
	(b)	What is Network? Explain all Types of Network.	**07**
Q.2	**(a)**	Compare and contrast: 1. Serial & Parallel Transmission 2. Synchronous & Asynchronous Transmission	**07**
	(b)	Write a Short note about Flash memory.	**07**

OR

	(b)	Explain MIS (Management information System) and DSS (Decision support system).	**07**
Q.3	**(a)**	Explain different data storage media.	**07**
	(b)	What is DFD? Explain it with example.	**07**

OR

Q.3	**(a)**	Explain Data modeling process in detail.	**07**
	(b)	What is a code number system? Explain the classification of code number system with example.	**07**
Q.4	**(a)**	What is system Appraisals? Explain the system Appraisals in detail.	**07**
	(b)	What are the rules of project risk management?	**07**

OR

Q.4	**(a)**	Explain system maintenance in detail.	**07**
	(b)	What is Communication? Explain Elements of communication and its process.	**07**
Q.5	**(a)**	Write short note on fuzzy logic.	**07**
	(b)	Explain following: 1. Viruses and Worms	**07**

OR

Q.5 **(a)** Write short note on neural network.   **07**

(b) What is payroll system? What are benefits if the payroll system is implemented inside the company?   **07**

****