

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: **07**

1. Serial & Parallel Transmission

2. Synchronous & Asynchronous Transmission

(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: **07**

1. Viruses and Worms

2. IP spoofing and Password sniffing

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**
