Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–III • EXAMINATION – WINTER • 2014

Subject Code: 131601 **Date: 18-12-2014**

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)**	Give the difference between closed system and open system.	**03**
	(b)	Explain the levels of information.	**03**
	(c)	Explain the categories of information.	**03**
	(d)	Explain the need of user knowledge and training.	**05**
Q.2	**(a)**	Explain following terms: i) Minicomputer ii) Microcomputer iii) Distributed processing iv) Mulitprocessing v) Backing storage vi) Electronic mail vii) Operating system	**07**
	(b)	Write a short note on followings: i) Visual display unit (VDU) ii) Types of printers	**07**
		OR	
	(b)	Explain Optical Character Recognition in details.	**07**
Q.3	**(a)**	Write a short note on: i) Magnetic disk ii) Optical disk iii) WORM iv) Erasable optical (EO)	**08**
	(b)	Explain sequential file structure, direct access file structure and index file structure in detail.	**06**
		OR	
Q.3	**(a)**	Write a Short note on: i) Flash memory ii) Deterministic and Probabilistic Systems	**08**
	(b)	Describe in detail: Methods for fact finding.	**06**
Q.4	**(a)**	Explain followings: i) Logic file system ii) Input output subsystem	**07**
	(b)	What is computer job scheduling? What is the importance of job scheduling in computer? Draw the architecture of job scheduler.	**07**
		OR	

Q.4	**(a)**	Explain followings: i) Software testing with its characteristics ii) Software testing life cycle	**07**
	(b)	Write a short note on Inventory System Design.	**07**
Q.5	**(a)**	Explain the followings: i) Conditions of project failure ii) Causes of project failure	**07**
	(b)	What is computer network? Explain the types of computer networks in details.	**07**

OR

Q.5	**(a)**	What is expert system? Draw and explain the architecture of expert system.	**07**
	(b)	Explain followings in details with their applications: i) Neural network ii) Fuzzy logic	**07**

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