Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

MBA – SEMESTER 3– • EXAMINATION – WINTER 2015

Subject Code:2830402 Date: 05/12/2015

**Subject Name: System Analysis and Design** 

Time: 10.30 AM TO 01.30 PM Total Marks: 70

**Instructions:** 

1. Attempt all questions.

2. Make suitable assumptions wherever necessary.

3. Figures to the right indicate full marks.

Q. No.	).				st and Option	6
Q.1 (a	ı) [			llowi	ng type of information is tactical	
1.	A.	Decision on in model	troducing a new	В.	Scheduling production	
	C.	. Assessing competitor car			Computing sales tax collected	
	Th	e role of a syster	n analyst drawing	up a	requirements specification is similar	
_	to					
2.	A.	architect designing a building			a structural engineer designing a building	
	C.	a contractor constructing a building		D	the workers who construct a building	
	A	computer-based	information syste	m		
3.	A.				should not have any manual tasks	
=	C.	is always fully		D.	may use only computers	
	Ву	y metadata we mean				
4.	A.	very large data	ļ	B.	data about data	
-	C.	data dictionary	7	D.	meaningful data	
	Er	rrors occur more often when				
	A.	data is entered by users			data is entered by operators	
5.	C.	when data is handwritten by			the key board design is bad	
		users and entered by an operator				
	Co	Computer systems are designed by				
-	A.	simplifying requirements of			breaking of the system into smaller	
6.		system			self-contained co-operating	
0.					subsystems	
	C.	breaking up the systems into independent parts		D.	Modular design	
Q.1		(b)	1. Rapid Applic			04
			2. Nominal Gro			
		3. Enterprise Da		ta Warehouse		
		4. Maintainabilir (c) Distinguish betw				
Q.1					Open and Close System.	04
						-

Q.2	(a)	Describe all the sources of Software. Explain any two in detail.	07
	<b>(b)</b>	Explain Corporate and Information System Planning	07
		OR	
	(b)	How to design a relational database model to find out relation between any faculty's performance and their attendance.	07
Q.3	(a)	Explain seven different type of software application test in brief.	07
	(b)	Define the points to be consider while assessing the feasibility of the project. Explain any three.	07
		OR	
Q.3	(a)	What do you understand by Installation? List out all strategies for installation and explain any two in detail.	07
	(b)	Explain the process of identifying and selecting IS development projects	07
Q.4	(a)	Explain any three traditional methods to determine system requirements.	07
	(b)	Describe the procedure to design a distributed system.	07
		OR	
Q.4	(a)	Briefly explain Agile methodologies for finalizing design specifications of the system.	07
	<b>(b)</b>	What is Data Warehousing? Explain Two-tier and Three-tier data warehouse architecture with example.	07
Q.5		Design a record keeping system for Hospital to keep record of patient. Clearly mention the fields required to collect the information.	14
		OR	
Q.5		Develop an Information system for Logistics company by keeping in mind all the factors of software development life cycle.	14

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