Seat No.: _____

Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA (Integrated) - SEMESTER-1 EXAMINATION - WINTER 2013

U .			20/12/2013	
Tiı	ne:2: tructio 1. 2.	Attempt all questions. Make suitable assumptions wherever necessary.	ks: 70	
	3.	Figures to the right indicate full marks.		
Q.1	(a)	(i) What is OpenOffice.Org? Explain any three major application of it?(ii) What is computer virus? Explain any two characteristics of it?	04 03	
	(b)	(i) Define computer. Discuss the various characteristics of a computer.(ii) Write the full form of following abbreviations: (a) IBM (b) LSI	05 02	
Q.2	(a) (b)		07 nd 04	
		disadvantages. (ii) What is internal command in DOS and give their examples. OR	03	
	(b)	(i) What are CASE tools? Describe their importance in development of software.(ii) What is external command in DOS and give their examples.	a 04 03	
Q.3	(a)	What is the difference between manual and computer storage? Explain.	07	
	(b)	How the Power-On Self-Test (POST) works. Explain in details. OR	07	
Q.3	(a) (b)	Discuss briefly the evolution of computer storage devices. How circuit Boards work. Explain in details.	07 07	
Q.4	(a) (b)	What is CPU? Describe the function of the distinct parts of this component. (i) What is cache memory? Explain working of it. (ii) What is an operating system? Discuss various types of operating system. OR	07 04 03	
Q.4	(a)	What is ROM? Name various types of ROM and describe their ma	in 07	
	(b)	characteristics.(i) What is a port? Explain use of any three ports.(ii) What is booting? Explain it with suitable example.	04 03	
Q.5	(a)	(i) Name the basic input devices of a PC and explain their function in brief. (ii) Write down full form: RTC	06 01	
	(b)	What is binary logic? Define AND, OR and NOT logical operations by making truth table.		
		OR	_	
Q.5	(a)	(i) Name the basic output devices of a PC and explain their function in brief.(ii) Write down full form: BIOS	06 01	
	(b)	What is computer system? Describe in brief the architecture of a comput system.	er 07	
