Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering Semester -VI Examination Dec. - 2011

J			: 08/12/2011	
•	ubject Name: Computer Maintenance ime: 02.30 pm – 05.00 pm			
Instru	 Ma Fig 	tempt all questions. Alke suitable assumptions wherever necessary. Equipment of the right indicate full marks. Equipment of the properties of the considered of the properties of the considered of the conside		
Q.1	(a)	i) Describe general faults of computer system.ii) Differentiate Conventional memory and Extended memory.	03 04	
0.1	(b)	Draw layout of motherboard and show important areas on it and explain each area in brief.	07	
Q.2	(a)	You are working as a hardware engineer You want to install two new hard disks in a computer. Explain steps of installation process to make both hard disk ready to install software.	07	
	(b)	i) Differentiate DIN, PS/2 and USB keyboards.ii) Write steps to install CD-ROM drive.	03 04	
0.2	(b)	i) Give classification of Printers and describe each in brief.ii) List general faults of Laser printer.	03 04	
Q.3	(a)	i). Differentiate UPS and SMPS.ii) What is Power Good Signal? What is it's function and how can we identify it?	03 04	
	(b)	i) What is MODEM? What is its function? How internal modem differs from external modem?ii) Classify following devices to their correct class (i.e. Input/Output) Monitor, Keyboard, Printer, Scanner, Plotter, Speaker, Web camera, Joystick.	03 04	
Q.3	(a)	i) Differentiate Drum Plotter and Flatbed Plotter.ii) List general faults and troubleshooting of monitor.	03 04	
	(b)	Define Computer maintenance. List and describe different types of computer maintenance.	07	
Q.4	(a)	Write points about an ideal situation for preparing computer centre and installation of computer systems.	07	

	(b)	Write important advices for PC assembly and PC disassembly.	07
Q. 4	(a)	OR List standards use for Hard disk? Explain each in brief.	07
	(b)	Explain CMOS setup in detail.	07
Q.5			
	(a)	Explain LAYMAN check in detail.	07
	(b)	What is POST? Explain in detail. OR	07
Q.5	(a)	Explain functions of BIOS in detail.	07
	(b)	i) Estimate required power capacity for a computer centre that have One server and 30 Computer systems with floppy drive, hard disk and LAN card.	05
		ii) List various tools, testing and measuring equipments required for computer maintenance.	02
