GUJARAT TECHNOLOGICAL UNIVERSITY

M.SC(IT)- INTEGRATED – SEMESTER II- EXAMINATION –WINTER-2025

Subject Code: 1320505   **Date: 02/12/2025**

Subject Name: Introduction of Computer Hardware & Peripherals

Time:02:30 PM TO 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.
4. Use of simple calculators and non-programmable scientific calculators are permitted.

Q.1	**(A)**	What is the basic difference of hardware and software?	**(03)**
	(B)	How we can diagnose a problem in software? List down the steps.	**(04)**
	(C)	List and Explain different types of operating systems.	**(07)**
Q.2	**(A)**	Describe Structure of Computer.	**(03)**
	(B)	How we can restore our data in computer?	**(04)**
	(C)	What is Computer? Explain various types input and output device.	**(07)**
		OR	
	(C)	Explain master boot record in detail.	**(07)**
Q.3	**(A)**	Explain Control panel in detail.	**(03)**
	(B)	What is I/O interface? Explain in detail.	**(04)**
	(C)	How we can assemble and dissemble hardware components?	**(07)**
		OR	
Q.3	**(A)**	Explain optical media.	**(03)**
	(B)	What is the difference between master and slave drive?	**(04)**
	(C)	What is microprocessor? Explain different types of Microprocessor.	**(07)**
Q.4	**(A)**	Explain chip and module.	**(03)**
	(B)	Explain CISC and RISC.	**(04)**
	(C)	How we can troubleshooting of memory?	**(07)**
		OR	
Q.4	**(A)**	What is use of SMPS in computer system?	**(03)**
	(B)	Explain basic difference between SRAM and DRAM.	**(04)**
	(C)	What is motherboard? Explain its component.	**(07)**
Q.5	**(A)**	List and Explain Components of Motherboard.	**(03)**
	(B)	What is Beep code?	**(04)**
	(C)	How network troubleshooting can be done? Explain in detail.	**(07)**
		OR	
Q.5	**(A)**	Describe CMOS.	**(03)**
	(B)	What is Pentium Series? Describe it.	**(04)**
	(C)	List and Explain Types of testing.	**(07)**

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