





This document is a part of Main Course File		Document No.: CFM – 8	
	SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED N. G. PATEL POLYTECHNIC		
	COMPUTER ENGINEERING DEPARTMENT		
FORMAT FOR ASSIGNMENTS			
Course Name (With Code): Computer Maintenance and Troubleshooting (4360701)			
Semester / Year: Sixth/Third			
Assignment Number: 1			
Assignment CO Number: 4360701.1			
Sr. No.	Questions related to Course Outcomes		
Part – A	Questions carrying 2 Marks		
1	Define: Hardware, Software.		
2	List out different types of ports.		
Part – B	Questions carrying 3 Marks		
1	List out different types of ports. Explain different types of ports.		
2	Define term: Hardware, Software and Firmware.		
3	Explain latest specification of PC/Laptop.		
Part – C	Questions carrying 4 Marks		
1	Explain different generation of computer system.		
2	List and identify components of PC/Laptop and specify its importance.		
Part – D	Questions carrying 7 Marks		
1	Explain different types of Ports.		
Prepared By:		Signature of Head of Department	

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Course Name (With Code): Computer Maintenance and Troubleshooting (4360701)			
Semester / Year: Sixth/Third			
Assignment Number: 2			
Assignment CO Number: 4360701.2			
Sr. No.	Questions related to Course Outcomes		
Part – A	Questions carrying 2 Marks		
1	What is Chipset?		
2	List out types of Motherboards.		
Part – B	Questions carrying 3 Marks		
1	What is Chipset? Explain Northbridge and Southbridge chipset with diagram.		
2	What is Expansion Bus? Explain USB and ISA bus.		
Part – C	Questions carrying 4 Marks		
1	Explain functional block diagram of Motherboard with its components.		
2	List out types of Motherboards and Explain anyone.		
3	List out Bus architecture and explain anyone.		
Part – D	Questions carrying 7 Marks		
1	Explain SMPS with its block diagram, write down advantages and disadvantages.		
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FORMAT FOR ASSIGNMENTS			
Course Name (With Code): Computer Maintenance and Troubleshooting (4360701)			
Semester / Year: Sixth/Third			
Assignment Number: 3			
Assignment CO Number: 4360701.3			
Sr. No.	Questions related to Course Outcomes		
Part – A	Questions carrying 2 Marks		
1	What is Multicore processor?		
2	Define Co Processor.		
Part – B	Questions carrying 3 Marks		
1	Differentiate between Processor and Co-processor.		
2	Explain System Bus in detail.		
3	Explain features of Processor.		
Part – C	Questions carrying 4 Marks		
1	What is Multicore processor? Explain any two with appropriate diagram.		
2	Explain Cache Memory in detail.		
3	List out types of Processors and explain Basic Structure of CPU.		
4	Explain System Bus, Clock speed, Packaging.		
5	Explain Level of Cache Memory.		
6	Explain Significance of Cache Memory.		
7	Explain BIOS Components in detail.		
8	Explain BIOS function and feature in detail.		
Part – D	Questions carrying 7 Marks		
1	Define Co Processor. Explain it with its working and Diagram.		
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FORMAT FOR ASSIGNMENTS			
Course Name (With Code): Computer Maintenance and Troubleshooting (4360701)			
Semester / Year: Sixth/Third			
Assignment Number: 4			
Assignment CO Number: 4360701.4			
Sr. No.	Questions related to Course Outcomes		
Part – A	Questions carrying 2 Marks		
1	Write down full form of LCD, LED, SATA,RAID.		
2	List out different Digital display technology.		
Part – B	Questions carrying 3 Marks		
1	List out disk interfaces and explain any one in detail.		
2	Explain Physical Structure of Hard Disk.		
3	Explain working of keyboard.		
4	Explain Hard Disk Characteristic.		
5	Differentiate LCD and LED monitors.		
6	Explain CD, DVD and Pen drive in detail.		
Part – C	Questions carrying 4 Marks		
1	Explain Logical Structure of Hard Disk.		
2	Explain Disk Performance Parameters.		
3	Explain types of Keyboards.		
4	Explain working principle of mouse.		
5	List out types of monitors and Describe LCD monitor in detail.		
Part – D	Questions carrying 7 Marks		
1	Explain LCD and LED monitor in brief.		
2	Explain Disk Partitioning in detail.		
3	Explain working condition of Scanner.		
4	What is digital display technology? Explain any one in brief.		
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FORMAT FOR ASSIGNMENTS			
Course Name (With Code): Computer Maintenance and Trouble Shooting (4360701)			
Semester / Year: Sixth/Third			
Assignment Number: 5			
Assignment CO Number: 4360701.5			
Sr. No.	Questions related to Course Outcomes		
Part – A	Questions carrying 2 Marks		
1	What is preventive maintenance?		
2	List out Laymen Check.		
Part – B	Questions carrying 3 Marks		
1	What is preventive maintenance? Explain in brief.		
2	Explain Trouble Shooting with Visual Inspection?		
3	Explain Systematic Trouble Shooing Procedure.		
4	Explain troubleshooting of Motherboard.		
5	Explain POST Error messages.		
6	Explain steps of dissembling PC Components.		
Part – C	Questions carrying 4 Marks		
1	What are tools required for Troubleshooting and maintenance.		
2	List general faults and troubleshooting of keyboard.		
3	Explain Motherboard troubleshooting.		
4	Explain Diagnostic software in details.		
Part – D	Questions carrying 7 Marks		
1	Explain troubleshooting of printer.		
2	Explain POST in detail.		
3	Define computer maintenance. Explain preventive computer maintenance.		
Prepared By: (Name of Faculty (ies)) with signature		Signature of Head of Department	