

Dicipline:	CSE	Semester:	5th	Name of the Teaching Faculty:	Deepak Kumar Sahoo	
Subject:	CHM	No of Days/Week Class Allotted:	4	Semester From date:	15.9.22 To date: 21.1.23	
					No. of Weeks:	10

WEEK	Class Day	Theory Topics
1	1st	Definition of Computer hard ware Need of managment in Computer Center
	2nd	Computer Careers for technology
	3rd	Description of personael involved.
	4th	How does personael management work
	5th	
2	1st	Dulties and Responsibilities of personael involved
	2nd	Need of training of Staffend importance of Training.
	3rd	Classification of Computer Based on Size, Based On mechenism
	4th	Based on purpose, weekly test
	5th	
3	1st	Computer Center layouts
	2nd	Server room Standard
	3rd	Defination of Power Conditioning equipments Various Power Conditioning Equipmant
	4th	Constant voltage Transformer, How does it work?
	5th	

WEEK	Class Day	Theory Topics
4	1st	Uninterruptible power supply. Types of ups.
	2nd	Online ups and line interactive ups Difference between online and line interactive
	3rd	Isolation circuit and its principles.
	4th	Functioning of Isolation circuit
	5th	
5	1st	What is mother board and components and Slots, Processor Socket / slot, memory sockets
	2nd	Chipsets, cache, BIOS, Clock Generator, RTC I/O Controller, Power with connector keyboard,
	3rd	Mother architecture with block Diagram.
	4th	Processors (core 2 Duo, Processor, Quad core processor)
	5th	
6	1st	Core i3, i5, i7 Series, Atom 120 Series.
	2nd	Xeon processor, Chip sets.
	3rd	Applications and features of chipsets
	4th	Introduction of Bus standards.
	5th	

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WEEK	Class Day	Theory Topics		
7	1st	Introduction of PCI, AGP		
	2nd	Introduction to USB, Introduction to ISA		
	3rd	Colour Codes for Devices / ports		
	4th	function of the Devices / ports.		
	5th			
8	1st	What is memory and I/O Devices.		
	2nd	Types of memory with their functions.		
	3rd	memory Speed and Access time		
	4th	Hard Disk Construction.		
	5th			
9	1st	working principles.		
	2nd	file System, formatting, partitioning.		
	3rd	Removable Storage and Special devices		
	4th	working principles of Removable Storage		
	5th			

WEEK	Class Day	Theory Topics
10	1st	Key Board (Interfacing, uses, wireless types of key etc)
	2nd	Mouse Interfacing
	3rd	Printers (Types, operation and Trouble shooting)
	4th	Scanners (Types, operation and Trouble shooting)
	5th	
	1st	
	2nd	
	3rd	
	4th	
	5th	
	1st	
	2nd	
	3rd	
	4th	
	5th	

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