BALASORE SCHOOL OF ENGINEERING
LESSON PLAN FOR 5TH SEMESTER
SESSION – 2022-23

Branch:- COMPUTER SCIENCE & ENGG.	SEMESTER: - 5th
SUBJECT:- COMPUTER H/W MAINTENANCE	THEORY - 04
Name of the Teacher:- S.DAS	SEC-A&B

Sl. No	Ch. No	MONTH	DATE	Name of the Chapter/ Objectives	No. of periods available as per syllabus	No. of periods available as per
1	1,2, 3(half)	SEPTEMBER		**1. COMPUTER CENTRE MANAGEMENT**	20	12
			15/09/22	1.1 Need of Management in Computer Centre		
				1.2 Types of Jobs carried out in computers in an organization		
			16/09/22	1.3 Duties and responsibilities of personnel involved		
			19/09/22	1.4 Need of Training of Staff		
			20/09/22	1.5 Idea about Various makes of Computers		
				2. SITE PREPARATION & INSTALLATION		
			22/09/22	2.1 Layouts of computer centre		
			23/09/22	2.2 False Roofing, Air Conditioning, Dust Proofing		
			26/09/22	2.3 Power Conditioning equipments like CVT, UPS, Isolation Circuits with Principles of functioning		
				3. MOTHER BOARD and COMPONENTS		
			27/09/22	3.1 Components and slots (Processor socket/slot, memory sockets, Chip sets, Cache, BIOS, Clock Generator, RTC, I/O Controller, power Connector, Key Board/Mouse Connectors, Jumpers, Pin Connectors etc)		
			28/09/22	3.2 Mother architecture and Block Diagram		
			29/09/22	3.3 Processors (Core2 Duo Processor, Quad Core Processor, Core i3,i5,i7 series, AMD A10 series, Xeon Processor)		
			30/09/22	3.3 Processors (Core2 Duo Processor, Quad Core Processor, Core i3,i5,i7 series, AMD A10 series, Xeon Processor)		
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			10/10/2022	3.4 Chip Sets 3.5 Bus Standards: PCI, AGP, USB etc. 3.6 Colour Codes for Devices/ports		
			11/10/2022	**4. MEMORY AND I/O DEVICES** 4.1 Primary and secondary Memory		
			12/10/2022	4.2 Memory speed , Access time 4.3 Hard Disk, Construction, Working Principles		

2	4,5	OCTOBER	13/10/22	4.4 File System, Formatting, Partitioning	19	14
			14/10/22	4.5 Removable Storage and Special devices and their working principles(CD, DVD, External drives, Memory stick, USB flash drive, Solid state drive)		
			17/10/22	4.6 Key Board(Interfacing, USB, Wireless, Types of keys, Keyboard Matrix, Key Bouncing) 4.7 Mouse Interfacing		
			18/10/22	4.8 Printers(Types, operation and Trouble shooting)		
			19/10/22	4.9 Scanners(Types, operation and Trouble Shooting		
			20/10/22	**5. DISPLAY , POWER SUPPLY AND BIOS**		
			21/10/22	5.1 Displays and Graphics Cards		
			25/10/2022	5.2 LCD,PLASMA,TFT,LED Displays		
			26/10/2022	5.3 SMPS (Basic Principles and operations, O/P voltage)		
			27/10/2022	5.4 BIOS(Functions, setups, types of BIOS)		
			28/10/2022	5.5 POST(Operation, Faults related to Hardware)		
3	6,7	NOVEMBER		**6. MAINTENANCE AND TROUBLE SHOOTING**	18	16
			1/11/2022	6.1 Assembly of Components of Desktop Computers		
			2/11/2022	6.2 Configuring Laptops and Power settings		
			3/11/2022	6.3 Laptop Components(Adapter , Battery, Basic problems, RAM types, CPU types, Laptop Motherboard, block diagram , Laptop Keyboard)		
			4/11/2022	6.3 Laptop Components(Adapter , Battery, Basic problems, RAM types, CPU types, Laptop Motherboard, block diagram , Laptop Keyboard)		
			7/11/2022	6.4 Formatting , Partitioning and installation of OS		
			9/11/2022	6.5 Trouble shooting of Common ly faced problems in Desktops and Laptops		
			10/11/2022	6.6 Basic Maintenance concepts(Preventive, Corrective, online)		
			11/11/2022	6.7 Diagnostic programs and tools		
			21/11/2022	6.8 Methods of Trouble shooting (symptom observation, analysis, diagnosis, Correction)		
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			23/11/2022	6.8 Methods of Trouble shooting (symptom observation, analysis, diagnosis, Correction)		
			24/11/2022	6.9 Up gradation of system and application software		
			25/11/2022	6.10 Virus concepts, Antivirus		
				7.NETWORKING DEVICES AND THEIR INTERFACES		
			28/11/22	7.1 Network Interface card		

			Date	Topic		7	7
			29/11/22	7.2 Networking interconnecting devices such as hub, switch, Router			
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				7.NETWORKING DEVICES AND THEIR INTERFACES			
7	DEC		1/12/2022	7.2 Networking interconnecting devices such as hub, switch, Router			
			2/12/2022	7.3 Types of Network cable			
			5/12/2022	7.3 Types of Network cable			
			6/12/2022	7.4 Types of Network connector			
			7/12/2022	7.4 Types of Network connector			
			8/12/2022	7.4 Types of Network connector			
			9/12/2022	7.4 Types of Network connector			
			12/12/2022	REVISION			
			13/12/22	REVISION			
			14/12/22	REVISION			
			15/12/22	REVISION			
			16/12/22	REVISION			
						60	50

month	chapter	REMARKS
SEPT	1,2,3	
OCT	3(REST),4,5	
NOV	6,7(HALF)	
DEC	7(REST)	

Signature 18/09/22
Lecrurer

HOD
13.9.22

Principal,
B.S.E,BLS