

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Basic Sciences Back Paper Examination , June 2024 [Programme: B.Sc.] [Semester: 2022-23 – Sem I & II] [Batch:]				
Course Title: PC & Hardware installation		Max Marks: 100		
Course Code: E1UA221B - I180201T		Time: 3 Hrs.		
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks)		5 Marks each		
1.	What are the types of memories studied in the Introduction to PC Hardware?	KL1	CO1	5
2.	What is the function of the CPU in a computer system?	KL1	CO2	5
3.	Explain the difference between static RAM and dynamic RAM.	KL2	CO3	5
SECTION-B (40 Marks)		10 Marks each		
4.	Discuss the function of the ALU and control unit in a CPU.	KL2	CO2	10
5.	Install and configure device drivers for LAN, Audio, and Video on a given computer system.	KL3	CO3	10
6.	Draw the diagram of computer memory hierarchy and explain. OR Show the architecture of general-purpose computer and explain.	KL3	CO4	10
7.	Draw the block diagram of CPU and explain each component.	KL4	CO5	10
SECTION-C (45 Marks)		15 Marks each		
8.	Compare and contrast the features of different operation systems like Windows OS, MacOS, Unix.	KL4	CO4	15
9.	Evaluate the efficiency of different types of memories in terms of speed and power consumption.	KL5	CO5	15
10.	Develop a step-by-step procedure for optimizing disk performance through partitioning and defragmentation techniques. Or Develop a proposal for upgrading a computer system to improve its processing power and performance, including the selection of a new processor and motherboard.	KL6	CO6	15