Name. _____	**Printed Pages:01**
Student Admn. No.: _____	

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School of Biomedical Sciences
Summer Term Examination – July - August 2024

[Programme: B.Sc. (Hons) Microbiology/ Forensic Science/ Medical Biotech] [Semester: II]
[Batch: Summer Term]

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Course Title: PC and Hardware Installation	**Max Marks: 100**
Course Code: E1UA221B	**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.	Explain the function of Input/Output (I/O) systems in computer architecture.	K1	CO1	5
2.	Describe the differences between Static RAM (SRAM) and Dynamic RAM (DRAM).	K2	CO1	5
3.	Describe the function of the control unit in coordinating CPU operations.	K2	CO2	5
SECTION-B (40 Marks)	**10 Marks each**			
4.	What are the primary differences between internal and external connectors on a motherboard?	K2	CO2	10
5.	Compare the performance characteristics of SRAM and DRAM in different computing scenarios.	K3	CO3	10
6.	Demonstrate the process of partitioning a hard disk for dual-booting Windows XP and Windows 7.	K3	CO3	10
7.	Create a block diagram of the computer system and explain its all parts with proper example.	K4	CO4	10
SECTION-C (45 Marks)	**15 Marks each**			
8.	Show the steps for Hard disk partitioning in HDD and write its importance in a PC.	K4	CO4	15
9.	Judge the effectiveness of driver management tools in automating driver updates and maintenance.	K5	CO5	15
10	Evaluate the future trends in operating system development and their potential impact on user experience and security.	K5	CO5	15