

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Allied Health Sciences Summer Term Examination – July - August 2024 [Programme: Bachelor of Physiotherapy] [Semester: III] [Batch: 2021-2025]				
Course Title: Bio Physics Course Code: BHPT3007/ L1UB307T		Max Marks: 100 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 therapeutic uses of electricity.	K1	CO1	5
2.	Identify the role of fuses in protecting electrical devices.	K3	CO2	5
3.	Identify the concept of alternating current (AC) and direct current (DC).	K3	CO2	5
SECTION-B (40 Marks)		10 Marks each		
4.	What are the safety precautions when working with electrical circuits.	K1	CO1	10
5.	Identify the behavior of resistors in series and parallel configurations.	K3	CO2	10
6.	Identify the properties of magnetic materials.	K3	CO3	10
7.	Identify the concept of electrical grounding and its importance.	K3	CO2	10
SECTION-C (45 Marks)		15 Marks each		
8.	Identify the uses of capacitors.	K1	CO1	15
9.	Identify the difference between conductors and insulators.	K3	CO3	15
10	Identify the role of a transformer and discuss its various types, principles, and construction methods.	K3	CO3	15