BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (END SEMESTER EXAMINATION)

CLASS: BRANCH					MESTER : II/VIII SSION : SP/2023		
TIME: 3 Hours		SUBJECT: BT427 BIOMEDICAL EQUIPMENT AND DEVICES FULL		MARKS: 50			
 Atter The r Befor 	question paper co npt all questions. missing data, if an re attempting the	ntains 5 questions each of 10 marks and total 50 marks. ny, may be assumed suitably. question paper, be sure that you have got the correct question paper c/Graph paper etc. to be supplied to the candidates in the examinati		all.			
Q.1(a)	Describe the elec	ctrode placement method in recording 12-channel electrocardiogram	[5]	CO 1	BL 2		
Q.1(b)	signal.	rumentation in recording brain signals.	[5]	2	3		
Q.2(a) Q.2(b)	Demonstrate different components of anesthesia machine using schematic diagram. Describe the optical method in pulse plethysmography technique.			2 2,3	3 2		
Q.3(a) Q.3(b)	Classify different types of pacemaker systems. Demonstrate the working of nerve and muscle stimulator using schematic diagram.			2 2,4	4 3		
Q.4 Q.4(a) Q.4(b)				2 2	2 2		
Q.5(a) Q.5(b)		ioning of blood cell counter. ration of biochemical analyzer with applications.	[5] [5]	2 2	2 2		

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