NB	2	[3 Hrs] Total Marks : 80	
1 .D	1) 2) 3) 4)	Question No. 1 is compulsory. Attempt any three questions out of remaining five questions. Figures to the right indicate full marks. Assume suitable data if necessary, stating your assumption.	
Q1.	(a) Draw and explain using schematic diagrams ECG electrodes.	[05]
	(U	Defibrillators.	[05]
	(c (d	Write a short note on Electromyography EMG.Explain the any one generation of CT scanner.	[05] [05]
Q2.	(a)	With a neat diagram explain the heart sounds measurement.	[10]
	(b)) Explain electromagnetic blood flow meter in detail.	[10]
Q3.	. (a)) Draw and explain stationary and rotating anode in X-ray tube.	[10]
	(b)) Draw and explain 12 lead electrode ECG configuration and placement of electrodes.	[10]
Q4. (a) Draw a suitable schematic diagram of cell and waveform to explain the generation of			
		action potential in details.	[10]
	(b)) Explain using suitable diagram, working of haemodialysis machine	[10]
Q5.	(a)	Draw and explain the working of a Pacemaker and mention its various modes.	[10]
	(b)) Explain using schematic diagram any one technique of Blood pressure measurement.	[10]
Q6.	W	rite short notes on: [any three]:	[20]
	(a)	Heart Lung Bypass machine	
	(b)) Various frequencies in EEG	
	(c)	Baby incubator	
	(d)) Micro and Macro shocks.	