

MYMENSINGH POLYTECHNIC INSTITUTE,  
MYMENSINGH  
ELECTRONICS TECHNOLOGY  
SEMESTER PLAN ( 5th SEMESTER)

Subject- Biomedical Instrument(28654)

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Week	Theory			Practical	
	Content (Specific Objective)	Activity		Content(Practical Job No)	Activity
		Class Test	Learning Materials		
1	Biomedical Instrumentation System(1.1-1.6)		<b>Ref. books, white board, marker, duster.</b>	Identify different parts and maintenance of ECG machine.	
2	Biomedical Signal(2.1-2.4)			Troubleshoot and maintenance of aneroid sphygmomanometer.	
3	Biomedical Signal(2.5-2.8)			Troubleshoot and maintenance of Ventilator.	
4	lood pressure & blood flow(3.1-3.7)	CT 1		Troubleshoot and maintenance of Hematology analyzer	
5	Human respiratory equipment(4.1-4.7)			Install, troubleshoot and maintenance of biochemistry analyzer	
6	Medical laboratory equipment(5.1-5.4)	QT 1		Identify different components and maintenance of short-wave diathermy	
7	Medical laboratory equipment(5.5-5.9)			Install, troubleshoot and maintenance of X-ray machine	
8	Physiotherapy and rehabilitation devices(6.1-6.7)			Identify different components and maintenance of defibrillator	
9	Cardiac devices(7.1-7.7)			Troubleshoot and maintenance C-ARM machine.	
10	Hemodialysis system(8.1-8.7)	CT 2		Troubleshoot and maintenance of anesthesia machine.	
11	Ultrasound Imaging system(9.1-9.4)			<b>Review. 2 &amp; 3</b>	
12	Ultrasound Imaging system(9.5-9.8)			<b>Review. 4 &amp; 5</b>	
13	Radiographic imaging system(10.1-10.8)	QT 2		<b>Review. 6 &amp; 7</b>	
14	Nuclear medical imaging system(11.1-11.7)			<b>Review. 8</b>	
15	OT equipment(12.1-12.9)			<b>Review. 9</b>	
16	<b>Review.</b>				

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