MYMENSINGH POLYTECHNIC INSTITUTE

ELECTRICAL TECHNOLOGY

Out Line Plan of Teaching 2nd Semester Student

SEMESTER PLAN PRESENTATION

T P C
Subject: BASIC ELECTRICITY(26711)
3 3 4

Week	Theory			Practical	
Week	Content (Specific Objective) Class Learning			Content (Practical Job no)	
		Test	Materials		Activity
1	1.Understand electricity and its		Ref. books,	Job no: -1 Identification and	
	nature(1.1-1.4)		white board ,	uses of electrical measuring	
			marker,	instruments.	
2	2 . Understand conductor			Job no: - 2 Verification of ohms	
	semiconductor and insulator(2.1-2.8)			law.	
3	3.Understand ohms law(3.1-3.4)			Job no:-3 Verification of	
				characteristic of series circuit.	
4	4.Understand electric circuit(4.1-	CT-1		Job no: -4 Verification of	
	4.7)			characteristics of parallel	
	,			circuit.	
5	5.Apply the concept of electrical			Job no: -5 Measuring the	
j	power and energy(5.1-5.6)			power of electrical load.	
				power or electrical lead.	
6	6.Understand the principles of	QT-1		Job no: -6 Uses of hand tools	
0	joules law(6.1-6.4)	QI-1		wires and cables.	
	7.Understand the concept of				
7	·			Job no: -7 Making a duplex	
	cells(7.1-7.10)			joint and t-joint.	
8	8.Understand the concept of			Job no: -8 Preparing wiring	
	capacitors and inductors(8.1-			circuit of two lamps controlled	
	8.11)			from two points separetly.	
9	9.Understand electro-	QT-2		. Job no: -9 Preparing wiring	
	magnetism(9.1-9.9)			circuit of one lamp controlled	
				from two points separetly.	
10	10.Understand electro-magnetic			. Job no: -10. Preparing wiring	
	induction(10.1-10.7)			circuit of a fluorescent tube	
				light.	
11	11.Understand the uses of wires			Review Job no: 1	
	and cables(11.1-11.5)				
12	12.Understand the usefulness of	CT-2		Review Job no: 2	
	joints and splices(12.1-12.4)				
13	13.Understand the different			Review Job no: 3	
	methods of house wiring(13.1-				
	13.5)				
14	14.Understand the construction			Review Job no: 4	
	and uses of controlling				
	devices(14.1-14.3)				
15	15.Understand the construction			Review Job no: 5 & 6	
13	and uses of protective				
	devices(15.1-15.7)				
16	Understand the necessity of			Review Job no: 7 & 8	
	earthing(16.1-16.4)And apply the principle of controlling electrical				
	circuit by switch(17.1-17.6)				

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