

Mymensingh Polytechnic Intitute
Electromedical Technology
Outline Plan of Teching 2nd Semester Student

SEMESTER PLAN PRESENTATION T P C
Subject: Basic Electronics (26811) 2 3 3

WEEK	Theory		Practical		
	Content (Specific Objective)	Activity		Content (Practical Job no)	Activity
		Class Test	Learning Material		
1	Understand the Feature of SOLDERING AND COLOR CODE (1.1-1.7)		Ref. books, White board, marker.	Job no: 1 Solder & de-solder of electronic components and wires to the other components and circuit boards.	
2	Understand the Feature of SEMICONDUCTOR (2.1-2.4)			Job no: 2 Determine the values of different resistors, capacitors and inductor.	
3	Understand the Feature of SEMICONDUCTOR (2.5-2.8)			Job no: 2 Determine the values of different resistors, capacitors and inductor.	
4	Understand the Feature of SEMICONDUCTOR DIODE (3.1-3.4)	CT-1		Job no: 3 Sketch forward and reverse characteristics curves of a semiconductor diode.	
5	Understand the Feature of SEMICONDUCTOR DIODE (3.5-3.7)			Job no: 3 Sketch forward and reverse characteristics curves of a semiconductor diode.	
6	Understand the Feature of SPECIAL DIODES (4.1-4.5)	QT-1		Job no: 4 Sketch waves of half-wave and full-Wave rectifier circuit.	
7	Understand the Feature of DC POWER SUPPLY (5.1-5.5)			Job no: 4 Sketch waves of half-wave and full-Wave rectifier circuit.	
8	Understand the Feature of DC POWER SUPPLY (5.6-5.9)			Job no: 5 Testing special diodes.	
9	MIDTERM EXAMINATION				
10	Understand the Feature of BIPOLAR JUNCTION TRANSISTOR (BJT) (6.1-6.5)			Job no: 6 Identifying the type and terminals of bipolar junction transistor.	
11	Understand the Feature of Transistor Characteristics (7.1-7.5)			Job no: 6 Identifying the type and terminals of bipolar junction transistor.	
12	Understand the Feature of TRANSISTOR BIASING AND STABILIZATION (8.1-8.5)	CT-2		Job no: 7 Determining input and output characteristics of a transistor in common emitter connection	
13	Understand the Feature of TRANSISTOR BIASING AND STABILIZATION (8.6-8.9)			Job no: 7 Determining input and output characteristics of a transistor in common emitter connection	
14	Understand the Feature of SINGLE STAGE TRANSISTOR AMPLIFIER (9.1-9.5)	QT-2		Job no: 8 Determine the Q- point of R -C coupled CE transistor amplifier.	
15	Understand the Feature of SINGLE STAGE TRANSISTOR AMPLIFIER (9.6-9.9)			Job no: 9 Determine the voltage gain of CE transistor amplifier.	
16	Understand the Feature of MULTISTAGE TRANSISTOR AMPLIFIER (10.1-10.9)			Job no: 9 Demonstrate the frequency response of single stage R-C coupled CE transistor amplifier.	

Teacher's Name: **Md.Aminul Hoque**
 Designation: **Junior Instructor**
 Department: **Electromedical**