

LESSON PLAN

SESSION: 2022-2023

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SUBJECT CODE: Th.4(B)

SUBJECT NAME: BASIC ELECTRONICS ENGINEERING

SEMESTER: DIPLOMA 1ST SEM

NUMBER OF CLASSES ALLOTED PER WEEK: 02

TOTAL PERIODS ALLOTED TO THE SUBJECT

ACCORDING TO SCTEVT: 30



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BRANCH: ELECTRONIS AND TELECOMMUNICATION ENGG.

SEMESTER: DIPLOMA -I

PERIODS PER WEEK: 02

Week/Date	Lecture	Topic to be covered	REMARK
1	1	Basic Concept of Electronics and its	24/10/2022(Diwali
24/10/2022 TO		application. Basic Concept of Electron	holiday)Need one
29/10/2022		Emission & its types.	extra class for
27/10/2022	2		adjustment
		Classification of material according to	
		electrical conductivity (Conductor,	
		Semiconductor & Insulator) with respect to	
		energy band diagram only.	
2	1	Difference between Intrinsic & Extrinsic	
31/10/2022		Semiconductor.	
TO		Difference between vacuum tube &	
	2	semiconductor.	
05/11/2022			
3	1	Principle of working and use of PN junction	08/11/2022(Kartika
07/11/2022		diode, Zener diode and Light Emitting Diode	Purnima
ТО		(LED)	holiday)Need one
12/11/2022			extra class for
	2	Integrated circuits (I.C) & its advantages.	adjustment
4	1		aujustiiieiit
4	1	Rectifier & its uses. Principles of working of	
14/11/2022		different types of Rectifiers with their merits	
TO	2	and demerits.	
19/11/2022		Functions of filters and classification of	
		Filter circuit characteristic	



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5	1	D.C power supply system with help of	
21/11/2022		block diagrams only.	
ТО	2	Transistor, Different types of Transistor Configuration and state output and input	
26/11/2022		current gain relationship in CE,CB and CC configuration(No mathematical derivation)	
6	1	Need of biasing and explain different types of biasing with circuit	
28/11/2022	2		
ТО		Amplifiers(concept) and how the amplification of signal is achieved by the help of transistor	
03/12/2022			
7	1	working principles of single phase CE amplifier	
05/12/2022	2	Basic functions Oscillator and its	
ТО		classification	
10/12/2022			



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8	1	Basic communication system with help	
12/12/2022		of Block diagram, Modulation,	
TO		Need of modulation	
17/12/2022	2	Different types of Modulation (AM, FM	
		& PM)	
9	1	Amplitude modulation and frequency	
19/12/2022		modulation based on signal, carrier wave	
TO	2	and modulated wave	
24/12/2022		Demodulation ,Working of super	
		heterodyne radio receiver, Block	
		diagram of Radio Transmitter and	
		Receiver	
10	1	Concept of transducer and primary	X'mas
26//12/2022		sensor.	holiday(26/12/2022 To
TO		Different type of transducer and	31/12/2022) so need
31/12/2022	2	concept of active and passive transducer	two extra classes
	2		two can a classes



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11 02/01/2023 TO 07/01/2023	2	Working principle of photo emissive Working principle of photoconductive	
12 09/01/2023 TO 14/01/2023	1 2	Working principle of photovoltaic transducer. application	
13 16/01/2023 TO 21/01/2023	1 2	Multimeter and its application Analog and digital multimeter and their difference	
14 23/01/2023 TO 28/01/2023	1 2	Working principle of multimeter with basic block diagram	23/01/2023Netaji Jayanti (holiday)Need one extra class for adjustment
15 29/01/2023 TO 31/01/2023	1 2	CRO Working principle of CRO with simple block diagram	