LESSON PLAN -2019-20
SWAMI VIVEKANANDA SCHOOL OF ENGG &TECH,BBSR

DISCIPLINE- FIRST YEAR	SEMESTER-2nd	NAME OF TEACHING FACULTY-ASHOK KUMAR PRUSTY
SUBJECT-BASIC ELECTRONICS	NO OF CLASS ALLOTED/PER WEEK-(2+1)	SEMESTER From date-2/1/2020 to 30/4/2020 NO OF WEEKS-20
WEEK	**CLASS DAY(DATES)**	**THEORY TOPICS**
1st	1/2/2020	ELECTRONIC DEVICES :- Basic Concept of Electronics and its application.
	1/3/2020	Basic Concept of Electron Emission & its types.
	1/4/2020	Basic Concept of Electron Emission & its types.
	1/6/2020	Classification of material according to electrical conductivity (Conductor,Semiconductor & Insulator) with respect to energy band diagram only.
2nd	1/7/2020	Classification of material according to electrical conductivity (Conductor,Semiconductor & Insulator) with respect to energy band diagram only.
	1/8/2020	Classification of material according to electrical conductivity (Conductor,Semiconductor & Insulator) with respect to energy band diagram only.
	1/9/2020	Difference between Intrinsic & Extrinsic Semiconductor.
	1/10/2020	Difference between Intrinsic & Extrinsic Semiconductor.
	1/11/2020	Difference between Intrinsic & Extrinsic Semiconductor.
	1/13/2020	Difference between vacuum tube & semiconductor.
3rd	1/14/2020	Principle of working and use of PN junction diode, Zener diode and Light Emitting Diode(LED)
	1/15/2020	Principle of working and use of PN junction diode, Zener diode and Light Emitting Diode(LED)
	1/16/2020	Principle of working and use of PN junction diode, Zener diode and Light Emitting Diode(LED)
	1/17/2020	Principle of working and use of PN junction diode, Zener diode and Light Emitting Diode(LED)
	1/18/2020	Principle of working and use of PN junction diode, Zener diode and Light Emitting Diode(LED)
	1/20/2020	Principle of working and use of PN junction diode, Zener diode and Light Emitting Diode(LED)
4th	1/21/2020	Integrated circuits (I.C) & its advantages.
	1/22/2020	Integrated circuits (I.C) & its advantages.
	1/24/2020	Integrated circuits (I.C) & its advantages.
	1/25/2020	REVISION
5th	1/27/2020	CLASS TEST
		ELECTRONIC CIRCUITS:-Rectifier & its uses
	1/30/2020	ELECTRONIC CIRCUITS:-Rectifier & its uses
1st	1/31/2020	Principles of working of different types of Rectifiers with their merits and demerits
	2/1/2020	Principles of working of different types of Rectifiers with their merits and demerits
	2/3/2020	Principles of working of different types of Rectifiers with their merits and demerits
	2/4/2020	Principles of working of different types of Rectifiers with their merits and demerits
2nd	2/5/2020	Functions of filters and classification of simple Filter circuit (Capacitor, choke input and π)
	2/6/2020	Functions of filters and classification of simple Filter circuit (Capacitor, choke input and π)
	2/7/2020	Functions of filters and classification of simple Filter circuit (Capacitor, choke input and π)
	2/8/2020	Functions of filters and classification of simple Filter circuit (Capacitor, choke input and π)
	2/10/2020	Functions of filters and classification of simple Filter circuit (Capacitor, choke input and π)

3rd	2/11/2020	Internal assessment
	2/12/2020	Working of D.C power supply system (unregulated) with help of block diagrams only
	2/13/2020	Working of D.C power supply system (unregulated) with help of block diagrams only
	2/14/2020	Working of D.C power supply system (unregulated) with help of block diagrams only
	2/15/2020	Working of D.C power supply system (unregulated) with help of block diagrams only
	2/17/2020	Transistor, Different types of Transistor Configuration and state output and input current gain relationship in CE,CB and CC configuration(No mathematical derivation)
4th	2/18/2020	Transistor, Different types of Transistor Configuration and state output and input current gain relationship in CE,CB and CC configuration(No mathematical derivation)
	2/19/2020	Transistor, Different types of Transistor Configuration and state output and input current gain relationship in CE,CB and CC configuration(No mathematical derivation)
	2/20/2020	Transistor, Different types of Transistor Configuration and state output and input current gain relationship in CE,CB and CC configuration(No mathematical derivation)
	2/22/2020	Need of biasing and explain different types of biasing with circuit diagram.(only CE configuration)
	2/24/2020	Need of biasing and explain different types of biasing with circuit diagram.(only CE configuration)
	2/25/2020	Need of biasing and explain different types of biasing with circuit diagram.(only CE configuration)
5th	2/26/2020	Need of biasing and explain different types of biasing with circuit diagram.(only CE configuration)
	2/27/2020	Amplifiers(concept) , working principles of single phase CE amplifier
	2/28/2020	Amplifiers(concept) , working principles of single phase CE amplifier
	2/29/2020	Amplifiers(concept) , working principles of single phase CE amplifier
1st	3/2/2020	Amplifiers(concept) , working principles of single phase CE amplifier
	3/3/2020	Electronic Oscillator and its classification
2nd	3/4/2020	Electronic Oscillator and its classification
	3/5/2020	Electronic Oscillator and its classification
	3/6/2020	Working of Basic Oscillator with different elements through simple Block Diagram
	3/7/2020	Working of Basic Oscillator with different elements through simple Block Diagram
3rd	3/11/2020	Working of Basic Oscillator with different elements through simple Block Diagram
	3/12/2020	REVISION
	3/13/2020	CLASS TEST
	3/14/2020	Basic communication system (concept & explanation with help of Block diagram)
	3/17/2020	Basic communication system (concept & explanation with help of Block diagram)
	3/18/2020	Concept of Modulation and Demodulation, Difference between them
	3/19/2020	Concept of Modulation and Demodulation, Difference between them
	3/20/2020	Concept of Modulation and Demodulation, Difference between them
4th	3/21/2020	INTERNAL ASSESSMENT-2
	3/23/2020	Different types of Modulation (AM, FM & PM) based on signal, carrier wave and modulated wave (only concept, No mathematical Derivation)
	3/24/2020	Different types of Modulation (AM, FM & PM) based on signal, carrier wave and modulated wave (only concept, No mathematical Derivation)
5th	3/25/2020	CLASS TEST
	3/26/2020	TRANSDUCERS AND MEASURING INSTRUMENTS:-Concept of Transducer and sensor with their differences.
	3/27/2020	TRANSDUCERS AND MEASURING INSTRUMENTS:-Concept of Transducer and sensor with their differences.
	3/28/2020	Concept of Transducer and sensor with their differences.
	3/30/2020	Different type of Transducers & concept of active and passive transducer.
	3/31/2020	Different type of Transducers & concept of active and passive transducer.
	4/2/2020	Different type of Transducers & concept of active and passive transducer.
1st	4/3/2020	Working principle of photo emissive, photoconductive, photovoltaic transducer and its application
	4/4/2020	Working principle of photo emissive, photoconductive, photovoltaic transducer and its
	4/6/2020	Working principle of photo emissive, photoconductive, photovoltaic transducer and its application
	4/7/2020	Multimeter and its applications

	4/8/2020	Analog and Digital Multimeter and their differences
	4/9/2020	Working principle of Multimeter with Basic Block diagram
2nd	4/10/2020	Working principle of Multimeter with Basic Block diagram
	4/11/2020	CRO, working principle of CRO with simple Block diagram
	4/13/2020	CRO, working principle of CRO with simple Block diagram
	4/14/2020	CRO, working principle of CRO with simple Block diagram
	4/15/2020	CLASS TEST
	4/16/2020	REVISION
3rd	4/17/2020	REVISION
	4/18/2020	Revision-1 previous year question answer discussion
	4/20/2020	Revision-2 previous year question answer discussion
	4/21/2020	Revision-3 previous year question answer discussion
	4/22/2020	Revision-4 previous year question answer discussion
4th	4/23/2020	Revision-5 previous year question answer discussion
	4/24/2020	Revision-6 previous year question answer discussion
	4/25/2020	Revision-7 previous year question answer discussion
	4/27/2020	Revision-8 previous year question answer discussion
	4/28/2020	Revision-9 previous year question answer discussion
	4/29/2020	Revision-10 previous year question answer discussion
5th	4/30/2020	Revision-11 previous year question answer discussion