



PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARGARH

LESSON PLAN

Discipline: Civil, CSE, Electrical, mech & meta. Engg. Semester: 1st

Name of the Teaching Faculty: Niranjan Behera

Subject: Basic Electronics No. Of Days/per week class allotted 02

Semester From Date: 09/11/2020 To Date: 15/02/2021 No. Of Weeks: 15

Week	Class Day	Theory /Practical Topics
01	01	Basic concept of Electronics and its application
	02	Electrom emission and its type
02	03	classification of solid according to energy band diagram
	04	Intrinsic Semiconductor
03	05	Extrinsic Semiconductor
	06	Difference between vacuum tube and semiconductor
04	07	PN Junction diode, Zener diode and LED
	08	Integrated Circuit (IC) and its advantage
05	09	Rectifiers
	10	Half wave & full wave rectifier with their merits and demerits
06	11	Filters and different type of filter
	12	Working of dc Power supply with block diagram
07	13	Transistor, Different type of transistor CB, CE and CC
	14	Need of biasing and types of biasing
08	15	Single stage CE amplifiers

Niranjan Behera
Signature of the Faculty



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ENGINEERING & TECHNOLOGY, BARGARH

LESSON PLAN

Discipline: Comp. Sc & Engg. and Electrical Engg. Semester: 1st (Section A)

Name of the Teaching Faculty: Niranjan Behera

Subject: Basic Electronics No. Of Days/per week class allotted 02

Semester From Date: 09/11/2020 To Date: 15/02/2021 No. Of Weeks: 15

Week	Class Day	Theory /Practical Topics
04	16	Oscillators and its classification
09	17	Different element of oscillator and simple block diagram
	18	Block diagram of Basic communication system
10	19	Modulation and demodulation
	20	Type of modulation (AM, FM & PM)
11	21	Concept of transducer
	22	Sensor difference between sensor and transducer
12	23	Different type transducer
	24	Working principle photo-emissive transducer
13	25	Working principle photo-voltaic transducer
	26	Multimeter and its applications
14	27	Analog and digital ^{multimeter} with difference
	28	Working principle of multimeter with block diagram
15	29	CRO, Working principle of CRO with block diagram
	30	Revision and question discussion

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