

Name of Faculty- Saurav Kumar

Discipline- Electronics Engineering

Semester- 4th

Subject- (1621303) Analog Electronics

Lesson Plan Duration Work Load (Lecture)-15 Weeks

Lecture per week: 3 Lecture

Week	Lecture Day	Unit	Theory (Topic)	Date
1	1	1	Basic Concept of KCL,KVL and Amplifier,	04.08.2020
	2		Classification of Amplifier,Ideal voltage amplifier and ideal current amplifier	05.08.2020
	3		Concept of Transconductance and transresistance amplifier.	10.08.2020
2	4	1	Distortion and its types - Amplitude and frequency distortion	12.08.2020
	5		Phase distortion,Harmonic distortion	17.08.2020
	6		Test/Quiz	18.08.2020
3	7	2	Fundamentals of multistage transistor amplifier	19.08.2020
	8		Analysis of Frequency response,Calculation of gain ,dB gain	24.08.2020
	9		Differentiate Small signal and large signal amplifier	25.08.2020
4	10	2	Voltage and power amplifier	26.08.2020
	11		Frequency response of RC coupled amplifier,it's advantages and disadvantage	31.08.2020
	12		Frequency response of transformer coupled amplifier,direct coupled amplifier	01.09.2020
5	13	2	Classification of power amplifier	07.09.2020
	14		Class A direct coupled power amplifier	08.09.2020
	15		Operation of transformer coupled power	09.09.2020
6	16	2	Construction and working Push pull amplifier	14.09.2020
	17		Calculation of bandwidth of multistage amplifier.	15.09.2020
	18		Test /Assignment	16.09.2020
7	19	3	Concept of positive and negative feedback.	21.09.2020
	20		Voltage series and shunt feedback	22.09.2020
	21		current series and shunt feedback	23.09.2020
8	22	3	Barkhausen criteria of oscillation,Hartley oscillator	28.09.2020
	23		Construction and working Colpitt's and phase shift oscillator	29.09.2020
	24		operation of wien bridge oscillator.	29.09.2020
9	25	3	Basics of quartz crystal and working principle of crystal oscillator	30.09.2020
	26		Assignment/Test	05.10.2020
	27		Basics of h parameter,two port network	06.10.2020
10	28	4	Determination of h parameter of linear network	07.10.2020
	29		Numericals on h parameter	12.10.2020
	30		Equivalent circuit of h parameter	13.10.2020
11	31	4	Performance of linear circuit in h parameter	14.10.2020
	32		Derivation of input impedance and output impedance parameter for transistor	19.10.2020
	33		Derivation of current gain and voltage gain parameter for transistor	20.10.2020
12	34	4	Nomenclature for CB,CC,CE configuration	02.11.2020
	35		Approximate hybrid model of a transistor	03.11.2020
	36		Limitations of h parameter	04.11.2020
	37		Assignment/Test	09.11.2020

