

LESSON PLAN

Subject Code & Name:13EC2008&Electronics circuits-II
Class / Semester:II ECE&II Sem

Branch:E C E
Academic Year:2016-17

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective action upon review
		Unit-1				
1.	06.12.2016	Feedback Amplifiers	1	CR		
2.	07.12.2016	Classification of Amplifiers,	1	CR		
3.	08.12.2016	Feedback concept,	1	CR		
4.	09.12.2016	Transfer Gain with feedback,	1	CR		
5.	13.12.2016	General characteristics of negative feedback amplifiers,	1	CR		
6.	14.12.2016	Effect of Feedback on input and output Resistances,	1	CR		
7.	15.12.2016	Method of Analysis of Feedback Amplifiers, .	1	CR		
8.	16.12.2016	Voltage series,	1	CR		
9.	20.12.2016	voltage shunt	1	CR		
10.	21.12.2016	current series,	1	CR		
11.	22.12.2016	and current shunt feedback amplifiers with discrete components and their analysis	1	CR		
12.	23.12.2016	Exam on unit 1	1	CR		
		Unit-2				
13.	27.12.2016	Oscillators:	2	CR		
14.	28.12.2016	Condition for oscillations	2	CR		
15.	29.12.2016	RC-phase shift oscillators (using BJT and JFET) (including derivation for frequency of oscillation),	2	CR		
16.	30.12.2016	Wien bridge oscillator,	2	CR		
17.	03.01.2017	. LC Oscillators:	2	CR		
18.	04.01.2017	Hartley Oscillator	2	CR		
19.	05.01.2017	Colpitts oscillators,	2	CR		
20.	06.01.2017	Crystal oscillators	2	CR		
21.	17.01.2017	Exam on unit 2	2	CR		

		Unit-3				
22.	24.01.2017	Multistage Amplifiers	3	CR		
23.	25.01.2017	Cascading transistor amplifiers,	3	CR		
24.	26.01.2017	choice of transistor configuration in cascade amplifier,	3	CR		
25.	27.01.2017	high input resistance transistor circuits,	3	CR		
26.	01.02.2017	Darlington pair,	3	CR		
27.	02.02.2017	cascade amplifier,	3	CR		
28.	03.02.2017	frequency response and analysis of RC coupling	3	CR		
29.	07.02.2017	, direct coupling and transformer coupling,	3	CR		
30.	08.02.2017	difference amplifier,	3	CR		
31.	09.02.2017	two stage RC coupled,	3	CR		
32.	10.02.2017	JFET amplifiers (in common source (CS) configuration).	3	CR		
33.	14.02.2017	Exam on unit 3	3	CR		
		Unit-4				
34.	15.02.2017	Power Amplifiers	4	CR		
35.	16.02.2017	Class A large signal Amplifiers,	4	CR		
36.	17.02.2017	Second harmonic Distortions,	4	CR		
37.	21.02.2017	Higher order harmonic Distortion,	4	CR		
38.	22.02.2017	Transformer Coupled Audio power amplifier	4	CR		
39.	23.02.2017	Push-pull amplifiers	4	CR		
40.	24.02.2017	Class B Amplifiers	4	CR		
41.	28.02.2017	Class AB operation	4	CR		
42.	07.03.2017	Complementary Symmetry push pull amplifier	4	CR		
43.	08.03.2017	Class D amplifier	4	CR		
44.	09.03.2017	Class S amplifier	4	CR		
45.	10.03.2017	MOSFET power amplifier	4	CR		
46.	14.03.2017	Thermal stability and Heat sink.	4	CR		
47.	15.03.2017	Exam on unit 4	4	CR		
		Unit-5				
48.	16.03.2017	Tuned Amplifiers	5	CR		
49.	17.03.2017	Single tuned	5	CR		
50.	21.03.2017	staggered tuned amplifiers – analysis	5	CR		
51.	22.03.2017	Double Tuned Amplifiers	5	CR		
52.	23.03.2017	Band width calculation	5	CR		

53.	24.03.2017	Voltage Regulators	5	CR		
54.	28.03.2017	Voltage regulation	5	CR		
55.	29.03.2017	Line Regulation, Load Regulation,	5	CR		
56.	30.03.2017	Types of Regulators	5	CR		
57.	31.03.2017	Series voltage regulator	5	CR		
58.	04.04.2017	shunt regulators	5	CR		
59.	05.04.2017	Overload Voltage protection.	5	CR		
60.	06.04.2017	Exam on unit 5	5	CR		

Faculty Name:

CR: CLASS ROOM

OHP: OVERHEAD PROJECTOR

LCD

Text Books:

1.Integrated Electronics-J.Millman and C.Halkis,Mc Graw-Hill,1972.

2.Electronic Devices and Circuits-Salivahanan,N.sureshkumar,A.vallavaraj,TataMcGrawHill,2/

Reference Books:

1.Electronic Devices and Circuits Theory-Robert L.Boylestad and Louis Nashelsky, Pearson/Prentice hall,2006,9/e

2.Micro Electronic Circuits-Sedra A.S. andK.C.Smith,Oxford University Press, 5/e

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