

	GURGAON INSTITUTE OF TECHNOLOGY & MANAGEMENT	
	Department : Electronics & Communication Branch / Sem : ECE / EE nd Sem	Session : Jan-May'12 Subject Name & Code : Basic Electronics (ECE-101-F)
Lesson Plan		TEACHER : Ms. Vimal

Books Referred:

1. Electronic Devices by Floyd
2. Electronic Devices and Circuit Theory by Boylestad and Nashelsky

Lecture No.	Topics to be Covered
1.	Section-A Basics of Semiconductor
2.	P-N junction diode under various biasing conditions
3.	Ideal diode, terminal characteristics of diode
4.	Introduction to transistor
5.	Principle of amplification, Frequency response of RC coupled amplifier
6.	Concept of Cascade amplifiers
7.	Concept of Feed Amplifier
8.	SECTION-B Basics of Op-amps
9.	Various circuits of Op-amps
10.	Basics of oscillators
11.	Different types of oscillators
12.	Introduction to SMPS
13.	Introduction to inverters and UPS

14.	SECTION-C Introduction to Number System, various conversions
15.	Logic gates i.e AND, OR etc.
16.	Introduction to combinational and sequential circuits
17.	Introduction to flip-flops and latches
18.	Introduction to multimeter
19.	Introduction to Digital multimeter
20.	Introduction to CRO
21.	Introduction to CRO contd.
22.	SECTION-D Introduction to various display devices
23.	Introduction to various display devices contd.
24.	Construction and working of LED
25.	Construction and working of LED contd.
26.	Introduction to LCDs, Types of LCDs
27.	Types of LCDs contd.
28.	Advantages and Disadvantages of display devices
29.	Introduction to Function generator
30.	Working of Voltage Regulator