

LESSON PLAN FOR EVEN SEM
SESSION 2017-18

NAME OF ASSISTANT PROFESSOR : MOHIT RANA
CLASS/SECTION : B.SCIT (II SEM) G
SUBJECT : EM THEORY

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	Introduction of Semiconductor	-----
DAY2 DATE 2-1-18	Drift current	-----
DAY3 DATE 3-1-18	Diffusion current	-----
DAY7 DATE 8-1-18	Diffusion current Continue	-----
DAY8 DATE 9-1-18	Junction Diode and its characteristics	-----
DAY9 DATE 10-1-18	Junction Diode and its characteristics Continue	-----
DAY13 DATE 15-1-18	Space charge capacitor	-----
DAY 14 DATE 16-1-18	Diffusion capacitor	-----
DAY15 DATE 17-1-18	Zener Diode as voltage regulator	-----
DAY19 DATE 22-1-18	HOLIDAY	-----
DAY20 DATE 23-1-18	SPORTS DAY	-----
DAY21 DATE 24-1-18	HOLIDAY	-----
DAY23 DATE 26-1-18	HOLIDAY	-----
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 29-1-18	Filters LPF (Low pass filter)	-----

DAY2 DATE 30-1-18	HPF (High pass filter)	-----
DAY3 DATE 31-1-18	HOLIDAY	-----
DAY7 DATE 5-2-18	BPF (Band pass filter)	-----
DAY8 DATE 6-2-18	BRF (Band Rejection filter)	-----
DAY9 DATE 7-2-18	Rectifier HWR (Half Wave Rectifier)	-----
DAY11 DATE 9-2-18	ASSIGNMENT 1	-----
DAY12 DATE 10-2-18	HOLIDAY	-----
DAY13 DATE 12-2-18	FWR (Full Wave Rectifier)	-----
DAY14 DATE 13-2-18	HOLIDAY	-----
DAY15 DATE 14-2-18	Bridge FWR Rectifier parameters	-----
DAY19 DATE 19-2-18	Filters L & C Filters	-----
DAY20 DATE 20-2-18	Voltage Multiplier Circuits	-----
DAY21 DATE 21-2-18	Shunt and series clipping circuit	-----
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY2 DATE 26-2-18	Clamping	-----
DAY3 DATE 27-2-18	NUMERICAL QUESTIONS	-----
DAY4 DATE 28-2-18	HOLIDAY	-----
DAY5 DATE 1-3-18	HOLIDAY	-----
DAY6 DATE 2-3-18	HOLIDAY	-----
DAY7 DATE 3-3-18	HOLIDAY	-----
DAY8	Junction Transistor	-----

DATE 5-3-18		
DAY9 DATE 6-3-18	Potential curves in unbiased and biased transistor	-----
DAY10 DATE 7-3-18	Transistor current components Early effect static characteristics	-----
DAY13 DATE 10-3-18	ASSIGNMENT 2	-----
DAY 14 DATE 12-3-18	CB & CE Configuration Active region	-----
DAY15 DATE 13-3-18	Cutt off region saturation region	-----
DAY16 DATE 14-3-18	Transistor as an amplifier	-----
DAY20 DATE 19-3-18	Qualitative description of JFET	-----
DAY21 DATE 20-3-18	Drain and transfer characteristics of JFET	-----
DAY22 DATE 21-3-18	CONDITIONAL TEST	-----
DAY 24 DATE 23-3-18	HOLIDAY	-----
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-3-18	MOSFET	-----
DAY2 DATE 27-3-18	MOSFET Continue	-----
DAY3 DATE 28-3-18	Types of MOSFET	-----
DAY4 DATE 29-3-18	HOLIDAY	-----
DAY7 DATE 2-4-18	Types of MOSFET Continue	-----
DAY8 DATE 3-4-18	Small signal low frequency FET model	-----
DAY9 DATE 4-4-18	Numerical problem	-----
DAY13 DATE 9-4-18	CS and CD low frequency model	-----

DAY14 DATE 10-4-18	CS low frequency model	-----
DAY15 DATE 11-4-18	CD low frequency model	-----
DAY18 DATE 14-4-18	HOLIDAY	-----
DAY19 DATE 16-4-18	Numerical problem	-----
DAY20 DATE 17-4-18	Numerical problem	-----
DAY21 DATE 18-4-18	HOLIDAY	-----

NAME OF ASSISTANT PROFESSOR :MOHIT RANA
CLASS/SECTION : BIT(IV SEM) G
SUBJECT :ECNT

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY4 DATE 4-1-18	Offset Voltage and Current	-----
DAY5 DATE 5-1-18	Input bias Current	-----
DAY6 DATE 6-1-18	Input offset Voltage	-----
DAY10 DATE 11-1-18	error introduced by offset	-----
DAY11 DATE 12-1-18	Integrating and Diff circuit using opamp	-----
DAY12 DATE 13-1-18	Multiplication Division	-----
DAY16 DATE 18-1-18	Schmitt Trigger	-----
DAY17 DATE 19-1-18	Active filter using opamp (1st order)	-----
DAY18 DATE 20-1-18	Feedback: Classification of Amplifiers	-----

DAY19 DATE 22-1-18	HOLIDAY	-----
DAY20 DATE 23-1-18	SPORTS DAY	-----
DAY21 DATE 24-1-18	HOLIDAY	-----
DAY22 DATE 25-1-18	The feedback concept and calculate the transfer gain	-----
DAY23 DATE 26-1-18	HOLIDAY	-----
DAY 24 DATE 27-1-18	Feedback topologies	-----
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY3 DATE 31-1-18	HOLIDAY	-----
DAY4 DATE 1-2-18	Effect of negative feedback on gain	-----
DAY5 DATE 2-2-18	Non -linear distortion	-----
DAY6 DATE 3-2-18	Frequency response Input resistance	-----
DAY10 DATE 8-2-18	Frequency response Input resistance Continue	-----
DAY11 DATE 9-2-18	ASSIGNMENT 1	-----
DAY12 DATE 10-2-18	HOLIDAY	-----
DAY14 DATE 13-2-18	HOLIDAY	-----
DAY16 DATE 15-2-18	Output resistance in various topologies	-----
DAY17 DATE 16-2-18	Principle of oscillation	-----
DAY18 DATE 17-2-18	condition for sustained oscillation Principle	-----
DAY22 DATE 22-2-18	Working and frequency calculation of RF oscillators	-----
DAY23 DATE 23-2-18	Hartley oscillator	-----
UNIT/PART III	TOPIC	

	THEORY	PRACTICAL
DAY1 DATE 24-2-18	Colpitts oscillator	-----
DAY4 DATE 28-2-18	HOLIDAY	-----
DAY5 DATE 1-3-18	HOLIDAY	-----
DAY6 DATE 2-3-18	HOLIDAY	-----
DAY7 DATE 3-3-18	HOLIDAY	-----
DAY11 DATE 8-3-18	Crystal oscillator	-----
DAY12 DATE 9-3-18	AF oscillator	-----
DAY13 DATE 10-3-18	ASSIGNMENT 2	-----
DAY17 DATE 15-3-18	Wein Bridge oscillator	-----
DAY18 DATE 16-3-18	Phase-shift oscillator	-----
DAY19 DATE 17-3-18	Astable multivibrator Bistable multivibrator	-----
DAY23 DATE 22-3-18	CONDITIONAL TEST	-----
DAY 24 DATE 23-3-18	HOLIDAY	-----
DAY 25 DATE 24-3-18	Monostable multivibrator using BJT	-----
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY4 DATE 29-3-18	HOLIDAY	-----
DAY5 DATE 30-3-18	Silicon controlled Rectifier (SCR)	-----
DAY6 DATE 31-3-18	Triac Diac	-----
DAY10 DATE 5-4-18	Trangular Waveform generator	-----
DAY11 DATE 6-4-18	The 555 Timer	-----

DAY12 DATE 7-4-18	Block Diagram of 555 Timer	-----
DAY16 DATE 12-4-18	Application of 555 Timer	-----
DAY17 DATE 13-4-18	Astable multivibrator	-----
DAY18 DATE 14-4-18	HOLIDAY	-----
DAY21 DATE 18-4-18	HOLIDAY	-----
DAY22 DATE 19-4-18	Monostable multivibrator	-----
DAY23 DATE 20-4-18	Numerical Question	-----

NAME OF ASSISTANT PROFESSOR : MOHIT RANA
CLASS/SECTION : BSC ELECTRONICS (IVSEM) D
SUBJECT : ELECTRONICS

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	Introduction about Registers	-----
DAY2 DATE 2-1-18	Shift Resisters	-----
DAY3 DATE 3-1-18	SISO (Serial In Serial Out)	-----
DAY7 DATE 8-1-18	SIPO (Serial In Parallel Out)	-----
DAY8 DATE 9-1-18	PISO (Parallel In Serial Out)	-----
DAY9 DATE 10-1-18	PISO (Parallel In Serial Out) Continue	-----
DAY13 DATE 15-1-18	PIPO (Parallel In Parallel Out)	-----
DAY 14 DATE 16-1-18	Continue	-----
DAY15	bi-directional shift resisters	-----

DATE 17-1-18		
DAY19 DATE 22-1-18	HOLIDAY	-----
DAY20 DATE 23-1-18	SPORTS DAY	-----
DAY21 DATE 24-1-18	HOLIDAY	-----
DAY23 DATE 26-1-18	HOLIDAY	-----
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 29-1-18	Ring counter	-----
DAY2 DATE 30-1-18	Time Delay	-----
DAY3 DATE 31-1-18	HOLIDAY	-----
DAY7 DATE 5-2-18	Sequence Generator	-----
DAY8 DATE 6-2-18	Digital Memories	-----
DAY9 DATE 7-2-18	ROM (Read Only Memory)	-----
DAY12 DATE 10-2-18	HOLIDAY	-----
DAY13 DATE 12-2-18	RAM (Static and Dynamic)	-----
DAY14 DATE 13-2-18	HOLIDAY	-----
DAY15 DATE 14-2-18	RAM (Static and Dynamic)	-----
DAY19 DATE 19-2-18	PLAs (Programmable Logic Array)	-----
DAY20 DATE 20-2-18	Continue	-----
DAY21 DATE 21-2-18	Magnetic core memory	-----
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY2 DATE 26-2-18	Magnetic surface storage devices	-----

DAY3 DATE 27-2-18	Continue	-----
DAY4 DATE 28-2-18	HOLIDAY	-----
DAY5 DATE 1-3-18	HOLIDAY	-----
DAY6 DATE 2-3-18	HOLIDAY	-----
DAY7 DATE 3-3-18	HOLIDAY	-----
DAY8 DATE 5-3-18	Introduction about D/A & A/D Converters	-----
DAY9 DATE 6-3-18	D/A Converter	-----
DAY10 DATE 7-3-18	R-2R Ladder Type DAC	-----
DAY 14 DATE 12-3-18	Continue	-----
DAY15 DATE 13-3-18	A/D converters	-----
DAY16 DATE 14-3-18	Simultaneous A/D Converter	-----
DAY20 DATE 19-3-18	Single slope A/D converter	-----
DAY21 DATE 20-3-18	Dual converter	-----
DAY22 DATE 21-3-18	CONDITIONAL TEST	-----
DAY 24 DATE 23-3-18	HOLIDAY	-----
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-3-18	Numerical problem	-----
DAY2 DATE 27-3-18	Successive approximation A/D Converter	-----
DAY3 DATE 28-3-18	Peripheral Devices	-----
DAY4	HOLIDAY	-----

DATE 29-3-18		
DAY7 DATE 2-4-18	Input and Output Interface	-----
DAY8 DATE 3-4-18	Asynchronous data transfer	-----
DAY9 DATE 4-4-18	Strobe control and Handshaking	-----
DAY13 DATE 9-4-18	Mode of Transfer	-----
DAY14 DATE 10-4-18	Continue	-----
DAY15 DATE 11-4-18	Programmed I/O	-----
DAY18 DATE 14-4-18	HOLIDAY	-----
DAY19 DATE 16-4-18	Interrupt-Initiated I/O	-----
DAY20 DATE 17-4-18	DMA Input Output Processor	-----
DAY21 DATE 18-4-18	HOLIDAY	-----

NAME OF ASSISTANT PROFESSOR : MOHIT RANA
CLASS/SECTION : BSC ELECTRONICS IST YEAR
SUBJECT : ELECTRONICS

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY3 DATE 3-1-18	-----	VI CH OF P-N JUNCTION DIODE
DAY4 DATE 4-1-18	-----	VI CH OF P-N JUNCTION DIODE
DAY9 DATE 10-1-18	-----	VI CH OF P-N JUNCTION DIODE
DAY10 DATE 11-1-18	-----	HWR/FWR
DAY15 DATE 17-1-18	-----	HWR/FWR
DAY16 DATE 18-1-18	-----	HWR/FWR

DAY19 DATE 22-1-18	HOLIDAY	-----
DAY20 DATE 23-1-18	SPORTS DAY	-----
DAY21 DATE 24-1-18	HOLIDAY	-----
DAY22 DATE 25-1-18	-----	JFET
DAY23 DATE 26-1-18	HOLIDAY	-----
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY3 DATE 31-1-18	HOLIDAY	-----
DAY4 DATE 1-2-18	-----	JFET
DAY9 DATE 7-2-18	-----	JFET
DAY10 DATE 8-2-18	-----	CE CH & CALCULATE H PARAMETERS
DAY12 DATE 10-2-18	HOLIDAY	-----
DAY14 DATE 13-2-18	HOLIDAY	-----
DAY15 DATE 14-2-18	-----	CE CH & CALCULATE H PARAMETERS
DAY16 DATE 15-2-18	-----	CE CH & CALCULATE H PARAMETERS
DAY21 DATE 21-2-18	-----	CB CH & CALCULATE H PARAMETERS
DAY22 DATE 22-2-18	-----	CB CH & CALCULATE H PARAMETERS
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY4 DATE 28-2-18	HOLIDAY	-----
DAY5 DATE 1-3-18	HOLIDAY	-----
DAY6 DATE 2-3-18	HOLIDAY	-----
DAY7 DATE 3-3-18	HOLIDAY	-----
DAY10 DATE 7-3-18	-----	TTL NAND GATE
DAY11	-----	TTL NAND GATE

DATE 8-3-18		
DAY16 DATE 14-3-18	-----	TTL NAND GATE
DAY17 DATE 15-3-18	-----	DTL NAND GATE
DAY22 DATE 21-3-18	-----	DTL NAND GATE
DAY23 DATE 22-3-18	-----	DTL NAND GATE
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY3 DATE 28-3-18	-----	SEMINAR (JFET, DTL,TTL)
DAY4 DATE 29-3-18	HOLIDAY	-----
DAY9 DATE 4-4-18	-----	SEMINAR (JFET, DTL,TTL)
DAY10 DATE 5-4-18	-----	SEMINAR (JFET, DTL,TTL)
DAY15 DATE 11-4-18	-----	SEMINAR (CB,CE CH)
DAY16 DATE 12-4-18	-----	SEMINAR (CB,CE CH)
DAY21 DATE 18-4-18	HOLIDAY	-----
DAY22 DATE 19-4-18	-----	SEMINAR (CB,CE CH)

MOHIT RANA

NAME OF TEACHER