

Lesson Plan

Name of the Associate Professor- Ms. Payal

Subject- Physics

Lesson Plan- 17 Weeks (January-April 2018)

Week	Date	Class B.Sc.-II ELECTRONICS (Sec-E) Digital Electronics	Class B.SC.-III ELECTRONICS (Sec-E) Microprocessor
1.	1-Jan-18		Interrupt: Methods of Input/output operations
	2-Jan-18		Interrupt: Methods of Input/output operations
	3-Jan-18		Data transfer Schemes
	4-Jan-18	Shift Registers, Serial-in serial out (SISO)	
	5-Jan-18	Holiday	
	6-Jan-18	parallel-in-serial-out (PISO) parallel-in-parallel-out (PIPO)	
	7-Jan-18	Sunday	
2.	8-Jan-18		Software interrupts
	9-Jan-18		Hardware interrupts
	10-Jan-18		Hardware interrupts
	11-Jan-18	bi-directional shift register	
	12-Jan-18	Applications of shift register – Ring counter, Time delay, Sequence Generator	
	13-Jan-18	Applications of shift register – Ring counter, Time delay, Sequence Generator	
	14-Jan-18	Sunday	
3.	15-Jan-18		Interrupt control circuits
	16-Jan-18		Interrupt instructions
	17-Jan-18		Class Test- unit-1
	18-Jan-18	Applications of shift register – Ring counter, Time delay, Sequence Generator	
	19-Jan-18	Applications of shift register – Ring counter, Time delay, Sequence Generator	
	20-Jan-18	Class Test- unit-1	
	21-Jan-18	Sunday	
4.	22-Jan-18	Vasant Panchami	
	23-Jan-18		Programmable Pheripheral Interface 8255: operational modes of 8255
	24-Jan-18	Sir Chotu Ram Jayanti	
	25-Jan-18	Memory system parameters	
	26-Jan-18	Republic Day	
	27-Jan-18	ROM, PROM, RAM (Static and dynamic)	
	28-Jan-18	Sunday	
5.	29-Jan-18		control word format for 8255

	30-Jan-18		programming in Mode 0
	31-Jan-18	Guru Ravi Das Birthday	
	1-Feb-18	ROM, PROM, RAM (Static and dynamic)	
	2-Feb-18	ROM, PROM, RAM (Static and dynamic)	
	3-Feb-18	PLAs	
	4-Feb-18	Sunday	
6.	5-Feb-18		programming in Mode 1
	6-Feb-18		programming in Mode 2
	7-Feb-18		BSR mode
	8-Feb-18	PLAs	
	9-Feb-18	PLAs	
	10-Feb-18	Maharishi Dayanand Saraswati Jayanti	
	11-Feb-18	Sunday	
7.	12-Feb-18		BSR mode
	13-Feb-18	Maha Shivratri	
	14-Feb-18		Class Test unit-2
	15-Feb-18	Magnetic core memory	
	16-Feb-18	magnetic surface storage devices	
	17-Feb-18	magnetic surface storage devices	
	18-Feb-18	Sunday	
8.	19-Feb-18		Programmable Interval Timer 8253: Block diagram of 8253
	20-Feb-18		Programmable Interval Timer 8253: Block diagram of 8253
	21-Feb-18		control word format for 8253
	22-Feb-18	magnetic surface storage devices	
	23-Feb-18	Class test-unit-2	
	24-Feb-18	Class test discussion-unit-2	
	25-Feb-18	Sunday	
9.	26-Feb-18		control word format for 8253
	27-Feb-18		control word format for 8253
	28-Feb-18	Holiday	
	1-Mar-18	Holiday	
	2-Mar-18	Holiday(HOLI)	
	3-Mar-18	Holiday	
	4-Mar-18	Sunday	
10.	5-Mar-18		Interfacing & programming of 8253
	6-Mar-18		Interfacing & programming of 8253
	7-Mar-18		Interfacing & programming of 8253
	8-Mar-18	Digital and Analog representation	
	9-Mar-18	D/A conversion	
	10-Mar-18	D/A conversion	
	11-Mar-18	Sunday	
11.	12-Mar-18		programming of 8253 in various modes
	13-Mar-18		programming of 8253 in various modes
	14-Mar-18		programming of 8253 in various modes
	15-Mar-18	Weighted Resistor DAC	

	16-Mar-18	Weighted Resistor DAC	
	17-Mar-18	R-2R Ladder Type DAC	
	18-Mar-18	Sunday	
12.	19-Mar-18		Class Test unit-3
	20-Mar-18		Direct Memory Access Controller 8257: Block diagram
	21-Mar-18		Direct Memory Access Controller 8257: Block diagram
	22-Mar-18	A/D converters - Simultaneous A/D converter	
	23-Mar-18	Shaheedi Diwas	
	24-Mar-18	single slope A/D converter Dual converter	
	25-Mar-18	Sunday	
13.	26-Mar-18		Programming of 8257
	27-Mar-18		Programming of 8257
	28-Mar-18		Programming of 8257
	29-Mar-18	Mahavir Jayanti	
	30-Mar-18	successive approximation A/D converter	
	31-Mar-18	successive approximation A/D converter	
	1-Apr-18	Sunday	
14.	2-Apr-18		Applications to illustrate the use of Microprocessor in: 1. Traffic light
	3-Apr-18		Applications to illustrate the use of Microprocessor in: 1. Traffic light
	4-Apr-18		Applications to illustrate the use of Microprocessor in: 1. Traffic light
	5-Apr-18	Class test and numerical discussion -unit-3	
	6-Apr-18	Class test and numerical discussion -unit-3	
	7-Apr-18	Peripheral Devices	
	8-Apr-18	Sunday	
15.	9-Apr-18		2. Temperature control
	10-Apr-18		2. Temperature control
	11-Apr-18		2. Temperature control
	12-Apr-18	Peripheral Devices	
	13-Apr-18	Input-Output Interface	
	14-Apr-18	Dr. Ambedkar Jayanti / Vaisakhi	
	15-Apr-18	Sunday	
16.	16-Apr-18		3. Stepper Motor control
	17-Apr-18		3. Stepper Motor control
	18-Apr-18	Parashurama Jayanti	
	19-Apr-18	Asynchronous Data Transfer: Strobe Control and Handshaking	
	20-Apr-18	Asynchronous Data Transfer: Strobe Control and Handshaking	
	21-Apr-18	Asynchronous Data Transfer: Strobe Control and Handshaking	
	22-Apr-18	Sunday	
17.	23-Apr-18		4. Washing machine control

	24-Apr-18		Programming Unit-3
	25-Apr-18		Programming Unit-4
	26-Apr-18	Modes of Transfer: programmed I/O	
	27-Apr-18	Interrupt-initiated I/O	
	28-Apr-18	DMA, Input-Output Processor	
	29-Apr-18	Sunday	