

LESSON PLAN FOR EVEN SEM
SESSION 2017-18

NAME OF ASSOCIATE PROFESSOR : DR. G K SETHI
CLASS/SECTION : B.SC (ELECT. II ND SEM)/D
SUBJECT : ELECTRONICS

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	Kirchhofs Voltage Law, Kirchhofs Current Law	.....
DAY2 DATE 2-1-18	Numerical Problems based on KVL,KCL	.....
DAY3 DATE 3-1-18	Mesh Analysis, Nodal Analysis	.....
DAY4 DATE 8-1-18	Numerical Problems based on Mesh Analysis, , Nodal Analysis	.....
DAY5 DATE 9-1-18	Source Transformation Technique, Star-Delta Transformation	.....
DAY6 DATE 10-1-18	Superposition Theorem	.....
DAY7 DATE 15-1-18	Numerical Problems based on Superposition Theorem	.....
DAY 8 DATE 16-1-18	Thevenin's Theorem.	.....
DAY9 DATE 17-1-18	Numerical Problems based on Thevenin's Theorem	.....
DAY10 DATE 22-1-18	HOLIDAY	
DAY11 DATE 23-1-18	SPORTS DAY	
DAY12 DATE 24-1-18	HOLIDAY	
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 29-1-18	Norton's Theorem.	.....
DAY2 DATE 30-1-18	Numerical Problems based on Thevenin's Theorem	.....
DAY3 DATE 31-1-18	HOLIDAY	
DAY4 DATE 5-2-18	Reciprocity Theorem, Compensation Theorem	.....
DAY5	CONTROL STATEMENT: WHILE	.....

DATE 6-2-18	Maximum Power Transfer Theorem	
DAY6 DATE 7-2-18	Numerical Problems based on Maximum Power Transfer Theorem	.....
DAY7 DATE 12-2-18	Duals and Duality, Tellegen's Theorem	.....
DAY8 DATE 13-2-18	HOLIDAY	
DAY9 DATE 14-2-18	Numerical Problems based on Duals and Duality, Tellegen's Theorem	.....
DAY10 DATE 19-2-18	Millman's Theorem	.....
DAY11 DATE 20-2-18	Numerical Problems based on Millman's Theorem	.....
DAY12 DATE 21-2-18	Assignment Based On Unit & Unit II	.....
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-2-18	Two-port Networks	.....
DAY2 DATE 27-2-18	Open Circuit Impedance(Z) Parameters, Short Circuit Admittance (Y) Parameters	.....
DAY3 DATE 28-2-18	HOLIDAY	
DAY4 DATE 5-3-18	Numerical Problems based on(Z) and (Y) Parameters	.....
DAY5 DATE 6-3-18	Transmission (ABCD) Parameters, Inverse Transmission (A'B'C'D') Parameters...	.....
DAY6 DATE 7-3-18	Numerical Problems based on(ABCD) and (A'B'C'D') Parameters	.....
DAY 7 DATE 12-3-18	Hybrid(h) Parameters, Inverse Hybrid(g) Parameters	.....
DAY8 DATE 13-3-18	Numerical Problems based on(h) and (g) Parameters	.....
DAY9 DATE 14-3-18	Inter Relationships of different Parameters	.....
DAY10 DATE 19-3-18	Numerical Problems based on Inter Relationships	.....
DAY11 DATE 20-3-18	Revision of Unit	.....
DAY12 DATE 21-3-18	Class test based on Unit I,II & III	.....
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-3-18	Inter Connection of Two – Port Networks	.....

DAY2 DATE 27-3-18	Numerical Problems based on Inter Connection of Two – Port Networks	.....
DAY3 DATE 28-3-18	Numerical Problems based on Inter Connection of Two – Port Networks	.....
DAY4 DATE 2-4-18	T and π Representation	.....
DAY5 DATE 3-4-18	Numerical Problems based on T and π Representation	.....
DAY6 DATE 4-4-18	Terminated Two-Port Networks	.....
DAY7 DATE 9-4-18	Terminated Two-Port Networks	.....
DAY8 DATE 10-4-18	Lattice Networks	.....
DAY9 DATE 11-4-18	Image Parameters	.....
DAY10 DATE 16-4-18	Revision of Unit I, II ,III & IV
DAY11 DATE 17-4-18	Revision of Unit I, II ,III & IV
DAY12 DATE 18-4-18	HOLIDAY	

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UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	-----	GR –I(Sort a series in ascending order on μ P Kit)
DAY2 DATE 2-1-18	-----	GR -I(Project work)
DAY3 DATE 3-1-18	-----	GR -II(Sort a series in ascending order on μ P Kit)
DAY4 DATE 4-1-18	Interrupts	GR -II(Project work)
DAY5 DATE 5-1-18	Methods of Input/output operations	GR -III(Sort a series in ascending order on μ P Kit)
DAY6 DATE 6-1-18	Data transfer Schemes	GR – III ((Project work)
DAY7 DATE 8-1-18	-----	GR –I(Multibyte addition on μ P Kit)
DAY8 DATE 9-1-18	-----	GR -I((Project work)

DAY9 DATE 10-1-18	-----	GR -II (Multibyte addition on μ P Kit)
DAY10 DATE 11-1-18	software Interrupts	GR -II (Project work)
DAY11 DATE 12-1-18	Hardware interrupts	GR -III (Multibyte addition on μ P Kit)
DAY12 DATE 13-1-18	Interrupt control circuits	GR -III (Project work)
DAY13 DATE 15-1-18	-----	GR -I Sort a series in decending order on μ P Kit
DAY 14 DATE 16-1-18	-----	GR -I (Project work)
DAY15 DATE 17-1-18	-----	GR -II (Sort a series in decending order on μ P Kit)
DAY16 DATE 18-1-18	Interrupt control circuits	GR -II (Project work)
DAY17 DATE 19-1-18	Interrupt instructions	GR -III (Sort a series in decending order on μ P Kit)
DAY18 DATE 20-1-18	Interrupt instructions	GR -III (Project work)
DAY19 DATE 22-1-18	HOLIDAY	-----
DAY20 DATE 23-1-18	SPORTS DAY	-----
DAY21 DATE 24-1-18	HOLIDAY	-----
DAY22 DATE 25-1-18	-----	GR -II (Project work)
DAY23 DATE 26-1-18	HOLIDAY	-----
DAY 24 DATE 27-1-18		GR -III (Project work)
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 29-1-18	-----	GR -I (Check even parity of a binary number on μ P Kit)
DAY2 DATE 30-1-18	-----	GR -I Project work)
DAY3 DATE 31-1-18	HOLIDAY	-----
DAY4 DATE 1-2-18	Programmable Peripheral Interface 8255	GR -II (Check even parity of a binary number on μ P Kit)
DAY5 DATE 2-2-18	operational modes of 8255	GR -III (Check even parity of a binary number on μ P Kit)
DAY6 DATE 3-2-18	control word format for 8255	GR -III (Project work)

DAY7 DATE 5-2-18	-----	GR -I (Check odd parity of a binary number on μ P Kit
DAY8 DATE 6-2-18	-----	GR -I (Project work)
DAY9 DATE 7-2-18	-----	GR -II (Check odd parity of a binary number on μ P Kit
DAY10 DATE 8-2-18	programming in Mode 0	GR -II (Project work)
DAY11 DATE 9-2-18	programming in Mode 0 and Assignment based on Unit I & II	GR -III (Check odd parity of a binary number on μ P Kit)
DAY12 DATE 10-2-18	HOLIDAY	-----
DAY13 DATE 12-2-18	-----	GR -I (Programming in C)
DAY14 DATE 13-2-18	HOLIDAY	-----
DAY15 DATE 14-2-18	Problems based on programming in Mode 0	GR -II Programming in C)
DAY16 DATE 15-2-18	programming in Mode 1	GR -II (Project work)
DAY17 DATE 16-2-18	Problems based on programming in Mode 1	GR -III (Project work Programming in C))
DAY18 DATE 17-2-18	programming in Mode 2	GR -III Project work)
DAY19 DATE 19-2-18	-----	GR -I Programming in C)
DAY20 DATE 20-2-18	-----	GR -I (Project work)
DAY21 DATE 21-2-18	-----	GR -II Programming in C)
DAY22 DATE 22-2-18	BSR mode	GR -II (Project work)
DAY23 DATE 23-2-18	Revision of Unit II	GR -III (Programming in C)
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 24-2-18	Programmable Interval Timer 8253	GR -III (Project work
DAY2 DATE 26-2-18	-----	GR -I Programming in C)
DAY3 DATE 27-2-18	-----	GR -I (Project work)
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	-----	GR -I Programming in C)
DAY9 DATE 6-3-18	-----	GR -I Project work
DAY10 DATE 7-3-18	-----	GR -II Programming in C)
DAY11 DATE 8-3-18	Block diagram of 8253	GR -II Project work
DAY12 DATE 9-3-18	control word format for 8253	GR -III Programming in C)
DAY13 DATE 10-3-18	Interfacing & programming of 8253	GR -III Project work
DAY 14 DATE 12-3-18	-----	GR -I Programming in C)
DAY15 DATE 13-3-18	-----	GR -I (Project work
DAY16 DATE 14-3-18	-----	GR -II Programming in C)
DAY17 DATE 15-3-18	Programming of 8253 in various modes	GR -II (Project work
DAY18 DATE 16-3-18	Programming of 8253 in various modes	GR -III Programming in C)
DAY19 DATE 17-3-18	Programming of 8253 in various modes	GR -III (Project work)
DAY20 DATE 19-3-18	-----	GR -I Programming in C)
DAY21 DATE 20-3-18	-----	GR -I (Project work
DAY22 DATE 21-3-18	-----	GR -II Programming in C)
DAY23 DATE 22-3-18	CONDITIONAL TEST	GR -II (Project work
DAY 24 DATE 23-3-18	HOLIDAY	-----
DAY 25 DATE 24-3-18	Numerical problems based on Programming of 8253 in various modes	GR -III (Project work
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-3-18	-----	GR -I Programming in C)

DAY2 DATE 27-3-18	-----	GR -I (Project work
DAY3 DATE 28-3-18	-----	GR -II Programming in C)
DAY4 DATE 29-3-18	HOLIDAY	-----
DAY5 DATE 30-3-18	Direct Memory Access Controller 8257	GR -III Programming in C)
DAY6 DATE 31-3-18	Block diagram, Programming of 8257	GR -III (Project work
DAY7 DATE 2-4-18	-----	GR -I (Project work
DAY8 DATE 3-4-18	-----	GR -I (Project work
DAY9 DATE 4-4-18	-----	GR -II (Project work
DAY10 DATE 5-4-18	Block diagram, Programming of 8257	GR -II (Project work
DAY11 DATE 6-4-18	Traffic light	GR -III (Project work
DAY12 DATE 7-4-18	Traffic light	GR -III (Project work
DAY13 DATE 9-4-18	-----	GR -I (Project work
DAY14 DATE 10-4-18	-----	GR -I (Project work
DAY15 DATE 11-4-18	-----	GR -II (Project work
DAY16 DATE 12-4-18	Temperature control	GR -II (Project work
DAY17 DATE 13-4-18	Temperature control	GR -III (Project work
DAY18 DATE 14-4-18	HOLIDAY	GR -I (Revision of practicals based on μ P programming and C
DAY19 DATE 16-4-18	-----	GR -I (Revision of practicals based on μ P programming and C
DAY20 DATE 17-4-18	-----	GR -II (Revision of practicals based on μ P programming and C
DAY21 DATE 18-4-18	HOLIDAY	-----
DAY22 DATE 19-4-18	Stepper Motor control	GR -III (Revision of practicals based on μ P programming and C
DAY23 DATE 20-4-18	Washing machine control.	GR -III (Revision of practicals based on μ P programming and C

