

LESSON PLAN FOR EVEN SEM
SESSION 2017-18

NAME OF ASSISTANT PROFESSOR : NEHA DHIMAN
CLASS/SECTION : BSC -II SEM(B,C,D,E,F)
: B.SC- II SEM (PRACTICALS)
SUBJECT : PHYSICS (PAPER 2)

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	1) Energy band in solid	(C-8 Grp) 1) Moment of inertia of a flywheel
DAY2 DATE 2-1-18	2) Intrinsic semiconductor 3) Extrinsic semiconductor	(C-8 Grp) 1) Moment of inertia of a flywheel
DAY3 DATE 3-1-18	4) Carrier mobilities and electrical resistivity of semiconductors	(C-6 Grp) 1) To study the characteristics of solar cell
DAY4 DATE 4-1-18	1) Energy band in solid	(C-6 Grp) 1) To study the characteristics of solar cell
DAY5 DATE 5-1-18	2) Intrinsic semiconductor 3) Extrinsic semiconductor	(C-7 Grp) 1) modulus of rigidity by Maxwell needle method
DAY6 DATE 6-1-18	4) Carrier mobilities and electrical resistivity of semiconductors	(C-7 Grp) 1) modulus of rigidity by Maxwell needle method
DAY7 DATE 8-1-18	5) Hall effect 6) Pn- junction diode and their characteristics	(C-8 Grp) 1) Moment of inertia of a flywheel
DAY8 DATE 9-1-18	7) Zener and avalanche breakdown 8) Zener diode	(C-8 Grp) 2) Moment of inertia of Torsion Pendulum
DAY9 DATE 10-1-18	9) Light emitting diode 10) Solar cell	(C-6 Grp) 1) To study the characteristics of solar cell
DAY10 DATE 11-1-18	5) Hall effect 6) Pn- junction diode and their characteristics	(C-6 Grp) 2) High resistance by substitution method
DAY11 DATE 12-1-18	7) Zener and avalanche breakdown 8) Zener diode	(C-7 Grp) 1) modulus of rigidity by Maxwell needle method

DAY12 DATE 13-1-18	9) Light emitting diode 10) Solar cell	(C-7 Grp) 2) young's modulus by bending of beam
DAY13 DATE 15-1-18	11) Photoconduction 12) Photodiode	(C-8 Grp) 2) Moment of inertia of Torsion Pendulum
DAY 14 DATE 16-1-18	13) Pn junction as a rectifier 14) Half wave rectifier , full wave rectifier	(C-8 Grp) 2) Moment of inertia of Torsion Pendulum
DAY15 DATE 17-1-18	15) Filter	(C-6 Grp) 2) High resistance by substitution method
DAY16 DATE 18-1-18	11) Photoconduction	(C-6 Grp) 2) High resistance by substitution method
DAY17 DATE 19-1-18	12) Photodiode 13) Pn junction as a rectifier	(C-7 Grp) 2) young's modulus by bending of beam
DAY18 DATE 20-1-18	14) Half wave rectifier	(C-7 Grp) 2) young's modulus by bending of beam
DAY19 DATE 22-1-18	HOLIDAY	-----
DAY20 DATE 23-1-18	SPORTS DAY	-----
DAY21 DATE 24-1-18	HOLIDAY	-----
DAY22 DATE 25-1-18	14b) Full wave rectifier	(C-6 Grp) 3) E.C.E of hydrogen using an ammeter
DAY23 DATE 26-1-18	HOLIDAY	-----
DAY 24 DATE 27-1-18	15) Filter	(C-7 Grp) 3) To draw forward and reverse bias characteristics of a semiconductor diode
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 29-1-18	1) Transistor	(C-8 Grp) 3) Surface tension by jeagers's method

DAY2 DATE 30-1-18	2) Working of PNP and NPN transistors	(C-8 Grp) 3) Surface tension by jeagers's method
DAY3 DATE 31-1-18	HOLIDAY	-----
DAY4 DATE 1-2-18	1) Transistor	(C-6 Grp) 3) E.C.E of hydrogen using an ammeter
DAY5 DATE 2-2-18	2) Working of PNP transistors	(C-7 Grp) 3) To draw forward and reverse bias characteristics of a semiconductor diode
DAY6 DATE 3-2-18	2b) Working of NPN transistors	(C-7 Grp) 3) To draw forward and reverse bias characteristics of a semiconductor diode
DAY7 DATE 5-2-18	3) Three configuration of a transistor	(C-8 Grp) 3) Surface tension by jeagers's method
DAY8 DATE 6-2-18	4) Common base transistor	(C-8 Grp) 4) E.C.E of hydrogen using an ammeter
DAY9 DATE 7-2-18	5) Common emitter transistor	(C-6 Grp) 4) Elastic constant by searle's method
DAY10 DATE 8-2-18	3) Three configuration of a transistor 4) Common base transistor	(C-6 Grp) 4) Elastic constant by searle's method
DAY11 DATE 9-2-18	4) Common emmitter transistor ASSIGNMENT I	(C-7 Grp) 4) viscosity of water through a uniform capillary tube
DAY12 DATE 10-2-18	HOLIDAY	-----
DAY13 DATE 12-2-18	6) Common collector transistor	(C-8 Grp) 4) E.C.E of hydrogen using an ammeter
DAY14 DATE 13-2-18	HOLIDAY	-----
DAY15	7) Current relations in CB, CC and CE	(C-6 Grp)

DATE 14-2-18	configuration	4) Elastic constant by searle's method
DAY16 DATE 15-2-18	6) Common collector transistor	(C-6 Grp) 5) ' g' by bar pendulum
DAY17 DATE 16-2-18	7) Current relations in CB, CC and CE configuration	(C-7 Grp) 4) viscosity of water through a uniform capillary tube
DAY18 DATE 17-2-18	7) Current relations in CB, CC and CE configuration	(C-7 Grp) 4) viscosity of water through a uniform capillary tube
DAY19 DATE 19-2-18	8) Advantages and disadvantages of C-E configuration	(C-8 Grp) 4) E.C.E of hydrogen using an ammeter
DAY20 DATE 20-2-18	9) D.C load line	(C-8 Grp) 5) zener diode voltage regulation
DAY21 DATE 21-2-18	10) Biasing of transistor	(C-6 Grp) 5) ' g' by bar pendulum
DAY22 DATE 22-2-18	8) Advantages and disadvantages of C-E configuration	(C-6 Grp) 5) ' g' by bar pendulum
DAY23 DATE 23-2-18	9) D.C load line 10) Biasing of transistor	(C-7 Grp) 5) E.C.E of hydrogen using an ammeter
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 24-2-18	1) Amplifiers 2) CB transistor	(C-7 Grp) 5) E.C.E of hydrogen using an ammeter
DAY2 DATE 26-2-18	1) Amplifiers 2) CB transistor amplifier	(C-8 Grp) 5) zener diode voltage regulation
DAY3 DATE 27-2-18	3) CE transistor amplifier	(C-8 Grp) 5) zener diode voltage regulation
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	4) CC transistor amplifier	(C-8 Grp) 6) Inverse Square law by photocell
DAY9 DATE 6-3-18	5) Coupling in amplifiers	(C-8 Grp) 6) Inverse Square law by photocell
DAY10 DATE 7-3-18	6) Various methods of coupling of amplifiers	(C-6 Grp) 6) Surface tension by jeager's method
DAY11 DATE 8-3-18	3) CE transistor amplifier 4) CC transistor amplifier	(C-6 Grp) 6) Surface tension by jeager's method
DAY12 DATE 9-3-18	5) Coupling in amplifier	(C-7 Grp) 5) E.C.E of hydrogen using an ammeter
DAY13 DATE 10-3-18	6) Various methods of coupling of amplifiers	(C-7 Grp) 6) moment of inertia of a torsion pendulum
DAY 14 DATE 12-3-18	6) Resistance capacitance coupling	(C-8 Grp) 6) Inverse Square law by photocell
DAY15 DATE 13-3-18	6) Resistance capacitance coupling	(C-8 Grp) 7)A.C mains by sonometer
DAY16 DATE 14-3-18	7) Feedback in amplifiers	(C-6 Grp) 6) Surface tension by jeager's method
DAY17 DATE 15-3-18	7) Resistance capacitance coupling	(C-6 Grp) 7) Frequency of a.c mains using sonometer
DAY18 DATE 16-3-18	8) Feedback in amplifier	(C-7 Grp) 6) moment of inertia of a torsion pendulum
DAY19 DATE 17-3-18	9) Advantages of negative feedback	(C-7 Grp) 6) moment of inertia of a torsion pendulum
DAY20 DATE 19-3-18	8) Advantages of negative feedback	(C-8 Grp) 7) A.C mains by sonometer
DAY21 DATE 20-3-18	9) Distortion in amplifiers 10) Emitter follower circuit	(C-8 Grp) 7) A.C mains by sonometer

DAY22 DATE 21-3-18	CONDITIONAL TEST	(C-6 Grp) 7) Frequency of a.c mains using sonometer
DAY23 DATE 22-3-18	CONDITIONAL TEST	(C-6 Grp) 7) Frequency of a.c mains using sonometer
DAY 24 DATE 23-3-18	HOLIDAY	-----
DAY 25 DATE 24-3-18	9) Distortion in amplifiers 10) Emitter follower circuit	(C-7 Grp) 7) To study the characteristics of a solar cell
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-3-18	1) Introduction 2) Principle of oscillation	(C-8 Grp) 8) 'g' by bar pendulum
DAY2 DATE 27-3-18	3) Classification of oscillators	(C-8 Grp) 8) 'g' by bar pendulum
DAY3 DATE 28-3-18	4) Feedback in oscillators	(C-6 Grp) 8) Frequency of a.c mains using electrical vibrator
DAY4 DATE 29-3-18	HOLIDAY	-----
DAY5 DATE 30-3-18	1) Introduction 2) Principle of oscillation	(C-7 Grp) 7) To study the characteristics of a solar cell
DAY6 DATE 31-3-18	3) Classification of oscillators	(C-7 Grp) 7) To study the characteristics of a solar cell
DAY7 DATE 2-4-18	5) Common base collector tuned oscillator	(C-8 Grp) 8) 'g' by bar pendulum
DAY8 DATE 3-4-18	6) Hartley oscillator	(C-8 Grp) 8) 'g' by bar pendulum
DAY9 DATE 4-4-18	6) Hartley oscillator	(C-6 Grp) 8) Frequency of a.c mains using electrical vibrator
DAY10 DATE 5-4-18	4) Feedback in oscillators	(C-6 Grp) 8) Frequency of a.c mains using electrical vibrator
DAY11	5) Common base collector tuned oscillator	(C-7 Grp) 9) moment of inertia of a

DATE 6-4-18		flywheel
DAY12 DATE 7-4-18	6) Hartley oscillator	(C-7 Grp) 9) moment of inertia of a flywheel
DAY13 DATE 9-4-18	8) C.R.O 9) C.R.T	(C-8 Grp) 9) elastic constants by Searle's Method
DAY14 DATE 10-4-18	10) Working of C.R.O	(C-8 Grp) 9) elastic constants by Searle's Method
DAY15 DATE 11-4-18	10) Working of C.R.O	(C-6 Grp) 7) To study the characteristics of a solar cell
DAY16 DATE 12-4-18	6) Hartley oscillator	(C-6 Grp) 7) To study the characteristics of a solar cell
DAY17 DATE 13-4-18	8) C.R.O 9) C.R.T	(C-7 Grp) 9) moment of inertia of a flywheel
DAY18 DATE 14-4-18	HOLIDAY	-----
DAY19 DATE 16-4-18	11) USES of C.R.O	(C-8 Grp) 9) elastic constants by Searle's Method
DAY20 DATE 17-4-18	12) DOUBT TAKEN	(C-8 Grp) 9) elastic constants by Searle's Method
DAY21 DATE 18-4-18	HOLIDAY	-----
DAY22 DATE 19-4-18	10) Working of C.R.O	(C-6 Grp) 8) verification of inverse square law by photo cell
DAY23 DATE 20-4-18	11) USES of C.R.O 12) DOUBT	(C-7 Grp) 9) moment of inertia of a flywheel

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NAME OF TEACHER