

SUMMARY OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : MISS POOJA RANI
Class and Section : B.Sc 3RD (N.M+C.S)
Subject Lesson Plan : PHYSICS (PH-602)
Month : January 2018

Date	Topics
01-01-2018	
02-01-2018	
03-01-2018	
04-01-2018	UNIT 1 HISTORICAL BACKGROUND OF ATOMIC SPECTROSCOPY INTRODUCTION OF EARLY OBSERVATIONS,EMISSION AND ABSORPTION SPECTRA
05-01-2018	GURU GOBIND SINGH JAYANTI
06-01-2018	ATOMIC SPECTRA ,WAVE NUMBER,SPECTRUM OF HYDROGEN ATOM IN BALMER SERIES,
07-01-2018	SUNDAY
08-01-2018	
09-01-2018	
10-01-2018	
11-01-2018	BOHR ATOMIC MODEL,SPECTRA OF HYDROGRN ATOM,EXPLANATION OF SPECTRAL SERIES IN HYDROGEN ATOM ,UNQUANTIZED SATES AND CONTINUE SPECTRA,SPETRAL SERIES IN ABSORBTION SPECTRA
12-01-2018	TEST
13-01-2018	EFFECT OF NUCLEAR MOTION ON LINE SPECTRA ,VARIATION OFIN RYDBERG CONSTANT DUE TO FINITE MASS,SHORTCOMINGS OF BOHR'S THEORY
14-01-2018	SUNDAY
15-01-2018	
16-02-2018	HYDROGEN FINE SPECTRA ,MAIN FEATURES OF ALKALI SPECTRA AND THEIR THEORETICAL INTERPRETATION ,TERMS SERIES AND LIMITS

Month

: January 2018

Date	Particulars
17-01-2018	
18-01-2018	WILSON SOMMERFIELD QUANTIZATION RULE, DE-BROGLIE INTERPRETATION OF BOHR QUANTIZATION LAW,BOHR'S CORRESPONDING PRINCIPLE
19-01-2018	SOMMERFELD'S EXTENSION OF BOHR'S MODEL,SOMMERFELDS RELATIVISTIC CORRECTION,SHORTCOMINGS OF BOHR SOMMERFELD THEORY
20-01-2018	SEMINAR
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	SPACE QUANTIZATION,ELECTRON SPIN,COUPLING OF ORBITAL AND SPIN ANGULAR MOMENTUM,SPECTROSCOPIC TERMS AND THEIR NOTATION,QUANTUM NUMBERS ASSOCIATED WITH VECTOR ATO MODEL.TRANSITION PROBABLITY AND SELECTION RULE
26-01-2018	REPUBLIC DAY
27-01-2018	PROBLEM DISCUSSION
28-01-2018	SUNDAY
29-01-2018	
30-01-2018	
31-01-2018	

Month : February 2018

Date	Topics
01-02-2018	REVISION
02-02-2018	SEMINAR
03-02-2018	COMPLETE UNIT 1 TEST
04-02-2018	SUNDAY
05-02-2018	
06-02-2018	
07-02-2018	
08-02-2018	UNIT 2 ORBITAL MAGNETIC DIPOLE MOMENT,BEHAVIOUR OF MAGNETIC DIPOLE IN EXTERNAL MAGNETIC FIELD;LARMOR'S PRECESSION AND THEOREMS
09-02-2018	PENETRATING AND NON PENETRATING ORBITS,PENETRATING ORBITS ON THE CLASSICAL MODEL;QUANTUM DEFECT,SPIN ORBIT ENERGY OF SINGLE VALANCE ELECTRONS
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	
13-02-2018	MAHA SHIVRATRI
14-02-2018	
15-02-2018	SPIN ORBIT INTERACTION FOR PENETRATING AND NON PENETRATING ORBITS,QUANTUM MECHANICAL RELATIVITY CORRECTION,

Month

: February 2018

Date	Particulars
17-02-2018	RYDEBURG-RITZE COMBINATION PRINCIPLE, ABSORPTION SPECTRA OF ALKALI ATOMS,
18-02-2018	SUNDAY
19-02-2018	
20-02-2018	
21-02-2018	
22-02-2018	OBSERVED DOUBLET FINE STRUCTURE IN THE SPECTRA OF ALKALI METALS AND ITS INTERPRETATION, INTENSITY RULES FOR DOUBLETS, COMPARISON OF ALKALI SPECTRA AND HYDROGEN ATOM
23-02-2018	PROBLEM DISCUSSION
24-02-2018	SEMINAR
25-02-2018	SUNDAY
26-02-2018	
27-02-2018	
28-02-2018	VACATION

Month : March 2018

Date	Topics
01-03-2018	COMPLETE UNIT 2 TEST
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	
06-03-2018	
07-03-2018	
08-03-2018	UNIT 3 ESSENTIAL FEATURES OF SPECTRA OF ALKALINE EARTH ELEMENTS, VECTOR MODEL FOR TWO VALENCE ELECTRON ATOM:APPLICATION OF SPECTRA
09-03-2018	COUPLING SCHEMES; LS OR RUSSELL-SAUNDERS COUPLING AND JJ COUPLING SCHEME,INTERACTION ENERGY IN LS COUPLING(sp,pd configuration),LANDE INVERTED RULE
10-03-2018	PAULI EXCLUSION PRINCIPAL AND PERIODIC CLASSIFICATION OF THE ELEMENTS,INTERACTION ENERGY IN JJ COUPLING,
11-03-2018	SUNDAY
12-03-2018	
13-03-2018	
14-03-2018	
15-03-2018	TEST
16-03-2018	SEMINAR

Month

: March 2018

Date	Particulars
17-03-2018	EQUIVALENT AND NON EQUIVALENT ELECTRONS, COMPARISON OF SPECTRAL TERMS IN L-S AND J-J COUPLING
18-03-2018	SUNDAY
19-03-2018	
20-03-2018	
21-03-2018	
22-03-2018	HYPERFINE STRUCTURE OF SPECTRAL LINES AND ITS ORIGIN ,ISOTOPE EFFECT,NUCLEAR SPIN
23-03-2018	PROBLEM DISCUSSION
24-03-2018	SEMINAR
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	
27-03-2018	
28-03-2018	
29-03-2018	MAHAVIR JAYANTI
30-03-2018	GOOD FRIDAY
31-03-2018	COMPLETE UNIT 3 TEST

Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	
03-04-2018	
04-04-2018	
05-04-2018	UNIT 4 ZEEMAN EFFECT(NORMAL AND ANOMALOUS),EXPERIMENTAL SET UP FOR STUDYING ZEEMAN EFFECT,
06-04-2018	EXPLANATION OF NORMAL ZEEMAN EFFECT(CLASSICAL AND QUANTUM MECHANICAL)
07-04-2018	EXPLANATION OF ANOMOLUS ZEEMAN EFFECT(LANDE g-FACTOR)
08-04-2018	SUNDAY
09-04-2018	
10-04-2018	
11-04-2018	
12-04-2018	ZEEMAN PATTERN OF D1 AND D2 LINES OF Na-ATOM
13-04-2018	SEMINAR
14-04-2018	TEST
15-04-2018	SUNDAY
16-04-2018	

Month

: April 2018

Date	Particulars
17-04-2018	
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	PASCHEN BACK EFFECT OF A SINGLE VALENCE ELECTRON SYSTEM
20-04-2018	WEAK FIELD STRAK EFFECT OF HYDROGEN ATOM
21-04-2018	REVISION
22-04-2018	SUNDAY
23-04-2018	
24-04-2018	
25-04-2018	
26-04-2018	PROBLEM DISCUSSION
27-04-2018	SEMINAR
28-04-2018	COMPLETE UNIT 4 TEST
29-04-2018	SUNDAY
30-04-2018	REVISION OF COMPLETE BOOK