



Sadakathullah Appa College

(AUTONOMOUS)

Rahmath Nagar, Tirunelveli - 627 011.

LESSON PLAN AND RECORD OF CLASSES ENGAGED

Course : M.Sc Physics Class : I^{ya} Academic Year : 2016 - 2017 Semester : I
 Title of the Paper : Classical Mechanics and Relativity Subject Code : 15PPHC4
 Theory / Practical Name of the Teacher : A. ZEENATH BAZEERA

Sl.No.	Date & Order	Unit	Topics planned	Covered on
1.	16/6/16 - A	I	unit I - Introduction	14/7/16
2.	17/6/16 - B		Mechanics of particles	} 15/7/16
3.	20/6/16 - C		System of particles	
4.	23/6/16 - F		Constraints	} 16/7/16
5.	24/6/16 - A		D'Alembert's principle	
6.	25/6/16 - B		Lagrange's equation	} 18/7/16
7.	27/6/16 - C		"	
8.	30/6/16 - F		Applications of Lag. formulation	} 21/7/16
9.	1/7/16 - A		"	
10.	2/7/16 - B		"	} 21/7/16
11.	11/7/16 - C		Hamilton's pple	
12.	14/7/16 - F		Calculus of variation	} 22/7/16
13.	15/7/16 - A		Lag. eqn. from Hamilton's pple	
14.	16/7/16 - B		"	} 2/8/16
15.	18/7/16 - C		Advantage of variation pple	

Text books :

- Classical Mechanics - Gupta Kumar and sharma, Pragati Pub.
- Classical Mech. B.D. Gupta, Satya Prakash

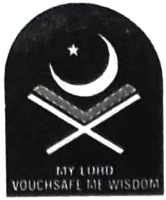
Reference books :

- classical Mechanics - Herbert Goldstein - Addison - Wesley - 3rd edition
-

Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment	3	Lag. equation	Euler's angle	Hamilton's Jacobi Theory		
Internal Test	3	I st Test Portions	II nd Test Portions	III rd Test Portions		


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Sl.No.	Date & Order	Unit	Topics planned	Covered on
16.	21/7/16 - F		Principle of least action	02/8/16
17.	22/7/16 - A		"	} 02/8/16
18.	25/7/16 - B		Revision - unit I	
19.	26/7/16 - C	ii	Unit ii - Introduction	} 05/8/16
20.	29/7/16 - F		Reduction of two body prob.	
21.	30/7/16 - A		into one body equivalent	} 08/8/16
22.	01/8/16 - B		"	
23.	02/8/16 - C		Egn. of motion of first interm.	10/8/16
24.	05/8/16 - F		"	13/8/16
25.	08/8/16 - A		Virial Theorem	} 13/8/16
26.	09/8/16 - B		Kepler's problem	
27.	10/08/16 - C		"	} 17/8/16
28.	13/08/16 - F		"	
29.	17/08/16 - A		Scattering in a Central force field	18/8/16
30.	18/08/16 - B		"	18/8/16
31.	19/08/16 - C		"	19/8/16
32.	23/08/16 - F		Transformation of scattering prob. to laboratory co-ord.	23/8/16
33.	24/08/16 - A		"	24/8/16
34.	26/08/16 - B		"	} 26/8/16
35.	27/08/16 - C		"	
36.	31/08/16 - F		Revision - unit ii.	} 26/8/16
37.	01/09/16 - A	iii	Unit iii - Introduction	
38.	02/09/16 - B		Rigid body motion	} 27/8/16
39.	06/09/16 - C		Independent co-ord. of a rigid body	
40.	09/09/16 - F		Matrix transformation	

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41.	15/9/16 - A		Euler's angles	15/9/16
42.	16/9/16 - B		"	16/9/16
43.	17/9/16 - C		Coriolis force	17/9/16
44.	21/9/16 - F		Angular momentum	21/9/16
45.	22/9/16 - A		Kinetic Energy	22/9/16
46.	23/9/16 - B		Euler's equation	23/9/16
47.	26/9/16 - C		"	26/9/16
48.	29/9/16 - F		Torque free motion	29/9/16
49.	30/9/16 - A		Cyclic co-ordinates	30/9/16
50.	03/10/16 - B		Small oscillations	3/10/16
51.	04/10/16 - C		"	4/10/16
52.	07/10/16 - F		Normal co-ordinates	7/10/16
53.	13/10/16 - A		Linear triatomic molecules	} 13/10/16
54.	14/10/16 - B		forced vibrations	
55.	17/10/16 - C	<u>IV</u>	unit <u>iv</u> - Introduction	} 14/10/16
56.	20/10/16 - F		Canonical transformation	
57.	21/10/16 - A		"	} 24/10/16
58.	22/10/16 - B		Generating function	
59.	24/10/16 - C		Properties, Poisson's brackets	} 31/10/16
60.	31/10/16 - F		Eqn. of motion	

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(2)

LESSON PLAN AND RECORD OF CLASSES ENGAGED

Course : M.Sc. Physics Class : I year Academic Year : 2016 - 2017 Semester : I
 Title of the Paper : Mathematical Physics - I Subject Code : 15PPHC12
 Theory / Practical Name of the Teacher : A. Feen Fathima

Sl.No.	Date & Order	Unit	Topics planned	Covered on	
1.	16.06.16 A	I	} Vector Operations in rectangular and orthogonal curvilinear coordinates		
2.	17.06.16 B			13.07.16	
3.	20.06.16 C				
4.	21.06.16 D			} Vector Operations in spherical polar co-ordinates.	14.07.16
5.	22.06.16 E			} Vector operations in cylindrical polar co-ordinates.	
6.	23.06.16 F				16.07.16
7.	24.06.16 A			} Linear Independence of Vector	
8.	25.06.16 B				19.07.16
9.	27.06.16 C			Dimensions, Basis, Inner product	19.07.16
10.	28.06.16 D			} Schmidt Orthogonalization process.	
11.	29.06.16 E				20.07.16
12.	30.06.16 F				
13.	01.07.16 A			Matrix representation of vectors	20.07.16
14.	02.07.16 B				
15.	11.07.16 C				

Text books :

1. Mathematical Physics - Sathya Prakash
2. Matrices and tensors in Physics - A.W. Joshi

Reference books :

1. Group theory and Quantum mechanics - Michel Tinkham
2. Mathematical Physics - E. Butkov

Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment						
Internal Test		I st Test Portions	II nd Test Portions	III rd Test Portions		

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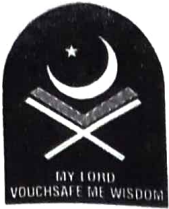
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Sl.No.	Date & Order	Unit	Topics planned	Covered on
16.	12.07.16 D		Similarity transformation of matrix	21.07.16.
17.	13.07.16 E		} Eigen value and Eigen vectors of matrix	21.07.16.
18.	14.07.16 F	I		
19.	15.07.16 A	II		Nonsteinian
20.	16.07.16 B		Homogeneous & Non-Homogeneous eqn	25.07.16.
21.	18.07.16 C		} Power Series solution.	28.07.16
22.	19.07.16 D			
23.	20.07.16 E		Linear independence of solutions.	30.07.16
24.	21.07.16 F		} Legendre differential eqn and its solutions (Legendre polynomials)	01.07.16
25.	22.07.16 A			
26.	25.07.16 B		} Generating function.	02.07.16.
27.	26.07.16 C			
28.	27.07.16 D		} Rodrigue's formula.	04.07.16
29.	28.07.16 E			
30.	29.07.16 F		Orthogonal property	04.08.16
31.	30.07.16 A		Recurrence formulae	08.08.16.
32.	01.08.16 B		} Hermite diff eqn and its polynomials	08.08.16
33.	02.08.16 C			
34.	03.08.16 D		Orthogonal property	09.08.16
35.	04.08.16 E		Recurrence formulae	09.08.16
36.	05.08.16 F	II	Rodrigue's formula	11.08.16
37.	08.08.16 A	III	} Fourier Transform - Introduction	13.08.16
38.	09.08.16 B			
39.	10.08.16 C			
40.	11.08.16 D			

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Sl.No.	Date & Order	Unit	Topics planned	Covered on	
41.	12.8.16 E		} Properties of Fourier Transforms.	17.8.16.	
42.	13.8.16 F			} Fourier Transform of a	18.8.16.
43.	17.8.16 A		} derivative.		
44.	18.8.16 B		} Fourier sine transform of a	20.8.16	
45.	19.8.16 C			} derivative	
46.	20.8.16 D		} Fourier cosine transform of	22.8.16	
47.	22.8.16 E			} a derivative	
48.	23.8.16 F		} Inverse Fourier transform		
49.	24.8.16 A				26.8.16
50.	25.8.16 B				
51.	27.8.16 C		} Evaluation of integrals.		
52.	29.8.16 D				29.8.16
53.	30.8.16 E	4			
54.	31.8.16 F	III	} Group Postulates.		
55.	1.9.16 A	IV			30.8.16.
56.	2.9.16 B		} Abelian group.		
57.	6.9.16 C				31.8.16
58.	7.9.16 D		} Generators of finite group.	1.9.16	
59.	8.9.16 E			} cyclic group	2.9.16
60.	9.9.16 F		} Group Multiplication	6.9.16	
61.	15.9.16 A			} table	
62.	16.9.16 B		} Rearrangement theorem	7.9.16	
63.	17.9.16 C				
64.	19.9.16 D		} subgroups	8.9.16	
65.	20.9.16 E			} co sets	15.9.16

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Sl.No.	Date & Order	Unit	Topics planned	Covered on
66.	21.9.16 F		Conjugate elements and classes.	16.9.1
67.	22.9.16 A		Isomorphism and Homomorphism	17.9.1
68.	23.9.16 B		Cayley's theorem	20.9.16
69.	26.9.16 C			Group symmetry of a equilateral triangle
70.	27.9.16 D		Group symmetry of a equilateral square	22.9.16
71.	28.9.16 E			
72.	29.9.16 F	IV	Reducible representation	23.9.16
73.	30.9.16 A	V		
74.	3.10.16 B		Irreducible representation	26.9.16
75.	4.10.16 C			
76.	5.10.16 D		Theorem on representation	28.9.16
77.	06.10.16 E			
78.	07.10.16 F		Theorem - 1	
79.	13.10.16 A			
80.	14.10.16 B		Theorem - 2	30.9.16
81.	17.10.16 C			
82.	18.10.16 D		Theorem - 3	4.10.16
83.	19.10.16 E			
84.	20.10.16 F		Orthogonality theorem	13.10.16
85.	21.10.16 A			
86.	22.10.16 B		Character of a representation	18.10.16
87.	24.10.16 C			
88.	25.10.16 D		Character tables - Carb C _{2v}	21.10.16
89.	26.10.16 E			
90.	31.10.16 F	V		

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LESSON PLAN AND RECORD OF CLASSES ENGAGED

Course: M.Sc Physics Class: Iya Academic Year: 2016 - 2017 Semester: I
 Title of the Paper: Electronic Devices Subject Code: 15PPHC13
 Theory / Practical Name of the Teacher: Kairon Mubina

Sl.No.	Date & Order	Unit	Topics planned	Covered on
1.	17/6/16 - B	I	Unit I - Introduction	13/7/16
2.	20/6/16 - C		JFET - Structure	
3.	22/6/16 - E		working	
4.	23/6/16 - F		equation for I-v characteristics	24/7/16
5.	25/6/16 - B		"	25/7/16
6.	27/6/16 - C		BJT - Structure	
7.	29/6/16 - E		working	28/7/16
8.	30/6/16 - F		equation for I-v characteristics	18/7/16
9.	2/7/16 - B		"	
10.	11/7/16 - C		MOSFET - Structure	20/7/16
11.	13/7/16 - E		working	
12.	14/7/16 - F		equation for I-v characteristics	21/7/16
13.	16/7/16 - B		"	21/7/16
14.	18/7/16 - C		MESFET - Structure	25/7/16
15.	20/7/16 - E		working	

Text books :

1. Electronic devices and ckt's - Salivahanan, Tata Mc Graw
2. Hill Publications

Reference books :

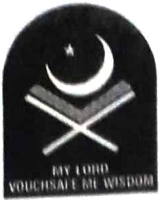
1. Semi conductor devices - Physics and technology
2. by S.M. Szeviley

Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment						
Internal Test		I st Test Portions	II nd Test Portions	III rd Test Portions		

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Sl.No.	Date & Order	Unit	Topics planned	Covered on
16.	21/7/16 - F		Egns. for I-V characteristics	26/7/16
17.	25/7/16 - B		High frequency limits	28/7/16
18.	26/7/16 - C		fabrication of MESFET, Revision	28/7/16
19.	28/7/16 - E	<u>II</u>	unit II - Introduction	29/7/16
20.	29/7/16 - F		Radiative transitions	29/7/16
21.	01/8/16 - B		Non-Radiative transitions	01/8/16
22.	2/8/16 - C		optical absorption	2/8/16
23.	4/8/16 - E		Bulk and thin film	4/8/16
24.	5/8/16 - F		Photo conductive devices (LDR)	9/8/16
25.	9/8/16 - B		Diode Photo detectors	
26.	10/8/16 - C		solar cell	10/8/16
27.	12/8/16 - E		open ckt voltage	12/8/16
28.	13/8/16 - F		short ckt current	13/8/16
29.	18/8/16 - B		LED high frequency limit	18/8/16
30.	19/8/16 - C		Effect of surface	19/8/16
31.	22/8/16 - E		indirect combination current	22/8/16
32.	23/8/16 - F		operation of LED	23/8/16
33.	26/8/16 - B		Diode Lasers (conditions for	26/8/16
34.	27/8/16 - C		population inversion in active	27/8/16
35.	30/8/16 - E		optical gain and threshold current (region)	30/8/16
36.	31/8/16 - F		" Revision	31/8/16
37.	2/9/16 - B	<u>III</u>	unit III - Introduction	2/9/16
38.	6/9/16 - C		Static access memories	6/9/16
39.	8/9/16 - E		Dynamic random memories	8/9/16
40.	9/9/16 - F		"	9/9/16

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Sl.No.	Date & Order	Unit	Topics planned	Covered on
41.	16/9/16 - B		SRAM	16/9/16
42.	17/9/16 - C		"	17/9/16
43.	20/9/16 - E		DRAM	20/9/16
44.	21/9/16 - F		"	21/9/16
45.	23/9/16 - B		CMOS	23/9/16
46.	26/9/16 - C		NMOS - Non volatile	26/9/16
47.	28/9/16 - E		"	28/9/16
48.	29/9/16 - F		Magnetic memories	29/9/16
49.	3/10/16 - B		optical memories	3/10/16
50.	4/10/16 - C		ferro electric memories	4/10/16
51.	6/10/16 - E		"	6/10/16
52.	7/10/16 - F		charge coupled devices	7/10/16
53.	14/10/16 - B		"	14/10/16
54.	17/10/16 - C		Revision - III	17/10/16
55.	19/10/16 - E	IV	unit IV - Introduction	19/10/16
56.	20/10/16 - F		Electro and opto	20/10/16
57.	22/10/16 - B		Acoustic effects	22/10/16
58.	24/10/16 - C		"	24/10/16
59.	26/10/16 - E		Material properties related	26/10/16
60.	31/10/16 - F		" to those effects	31/10/16

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LESSON PLAN AND RECORD OF CLASSES ENGAGED

4

Course : M.Sc physics
 Title of the Paper : Material Science
 Theory / Practical : Theory
 Class : I year M.Sc Academic Year : 2016 - 2017 Semester : I
 Physics
 Subject Code : 15PPHC14
 Name of the Teacher : Ms. A. Ponchitra

Sl.No.	Date & Order	Unit	Topics planned	Covered on
1	17.6.16 - B	I	Crystalline Materials - Introduction	11.7.16
2	18.6.16 - C	I	Crystal Symmetry	11.7.16
3	20.6.16 - D	I	Simple crystal structures	12.7.16
4	21.6.16 - E	I	Polymorphism and allotropy	13.7.16
5	21.6.16 - E	I	Crystal directions	13.7.16
6	22.6.16 - F	I	Crystal imperfections	14.7.16
7	24.6.16 - B	I	Structure determination by X-ray diffraction	14.7.16
8	27.6.16 - C	I	Bragg's law	18.7.16
9	28.6.16 - D	I	"	19.7.16
10	29.6.16 - E	I	Determination of lattice parameters	20.7.16
11	29.6.16 - E	I	Bragg's X-ray spectrometer method	20.7.16
12	30.6.16 - F	I	"	21.7.16
13	2.7.16 - B	I	The Laue's method	21.7.16
14	11.7.16 - C	I	"	25.7.16
15	12.7.16 - D	I	The powder method.	25.7.16

Text books :

- Materials Science P.K. Palanisamy II Edition, Sateeth Publication (India) Pvt. Ltd. Chennai - 1 (2007) (Chapters 1, 2, 3, 4, 5 & 6)
- Bio-Instrumentation, Veera kumari - L, MSP publishers (2011).

Reference books :

- Materials Science and Engineering, V. Raghavan, IV Edition, Prentice Hall of India Pvt. Ltd. New Delhi.
- Materials Science, Dr. M. Arumugam, Anuradha agencies, Kumbakonam.

Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment						
Internal Test		I st Test Portions	II nd Test Portions	III rd Test Portions		

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Sl.No.	Date & Order	Unit	Topics planned	Covered on
16	13.7.16 - E	I	"	26.7.16
17	13.7.16 - E	I	The rotating Crystal Method	26.7.16
18	14.7.16 - F	I	Revision.	27.7.16
19	15.7.16 - B	II	Conducting Materials - Introduction	27.7.16
20	18.7.16 - C	II	The classical free electron theory	28.7.16
21	19.7.16 - D	II	Weidmann-franz law	28.7.16
22	20.7.16 - E	II	The quantum free electron theory	29.7.16
23	20.7.16 - E	II	Fermi distribution function	29.7.16
24	21.7.16 - F	II	Density of energy states	1.8.16
25	25.7.16 - B	II	Electrons in the periodic potentials.	1.8.16
26	26.7.16 - C	II	Conductors	2.8.16
27	27.7.16 - D	II	High resistivity materials	3.8.16
28	28.7.16 - E	II	Super Conductivity	3.8.16
29	28.7.16 - E	II	General features	9.8.16
30	29.7.16 - F	II	Effect of magnetic field	9.8.16
31	1.8.16 - B	II	The Meissner effect	10.8.16
32	2.8.16 - C	II	Thermal properties	10.8.16
33	3.8.16 - D	II	London equation	11.8.16
34	4.8.16 - E	II	Penetration depth, BCS theory	11.8.16
35	4.8.16 - E	II	Josephson effect	12.8.16
36	5.8.16 - F	II	Revision.	12.8.16
37	9.8.16 - B	III	Semiconducting Materials - Introduction	13.8.16
38	10.8.16 - C	III	Elemental intrinsic Semiconductors	13.8.16
39	11.8.16 - D	III	Carrier concentration in intrinsic Semiconductors.	18.8.16
40	12.8.16 - E	III	"	19.8.16


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Sl.No.	Date & Order	Unit	Topics planned	Covered on
41	12.8.16 - E	III	Electrical conductivity	20.8.16
42	13.8.16 - F	III	Extrinsic semiconductors	22.8.16
43	18.8.16 - B	III	Carrier concentration in N type Semiconductors	23.8.16
44	19.8.16 - C	III	Carrier concentration in P type Semiconductors	26.8.16
45	20.8.16 - D	III	Variation of carrier concentration with temperature	27.8.16
46	22.8.16 - E	III	"	29.8.16
47	22.8.16 - E	III	Direct and indirect band gap Semiconductors	30.8.16
48	23.8.16 - F	III	"	30.8.16
49	26.8.16 - B	III	Semiconductors materials	31.8.16
50	27.8.16 - C	III	"	2.9.16
51	29.8.16 - D	III	Hall effect	6.6.16
52	30.8.16 - E	III	"	7.9.16
53	30.8.16 - E	III	Applications.	8.9.16
54	31.8.16 - F	III	Revision	8.9.16
55	2.9.16 - B	IV	Nanomaterials	16.9.16
56	6.9.16 - C	IV	Carbon nanotubes	16.9.16
57	17.9.16 - D	IV	Quantum well	17.9.16
58	18.9.16 - E	IV	Quantum wire	17.9.16
59	18.9.16 - E	IV	Quantum dot	19.9.16
60	19.9.16 - F	IV	Quantum Confinement	19.9.16
61	16.9.16 - B	IV	Nanophase materials	20.9.16
62	17.9.16 - C	IV	"	20.9.16
63	19.9.16 - D	IV	Synthesis	21.9.16
64	20.9.16 - E	IV	physical method	21.9.16
65	20.9.16 - E	IV	Ball milling	23.9.16

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LESSON PLAN AND RECORD OF CLASSES ENGAGED

Sl.No.	Date & Order	Unit	Topics planned	Covered on
66	21.9.16 - F	IV	Vacuum Sputtering	26.9.16
67	23.9.16 - B	IV	Chemical method	26.9.16
68	26.9.16 - C	IV	Co-precipitation method	27.9.16
69	27.9.16 - D	IV	Sal gel method	27.9.16
70	28.9.16 - E	IV	" "	28.9.16
71	28.9.16 - E	IV	Variation of physical properties with geometry	28.9.16
72	29.9.16 - F	IV	Revision	29.9.16
73	3.10.16 - B	✓	Characterization of materials	3.10.16
74	4.10.16 - C	✓	Components of a microscope	4.10.16
75	5.10.16 - D	✓	Types of microscope	4.10.16
76	6.10.16 - E	✓	Instrumentation and applications of TEM	5.10.16
77	6.10.16 - E	✓	Instrumentation and applications of TEM	6.10.16
78	7.10.16 - F	✓	Instrumentation and applications of SEM	6.10.16
79	14.10.16 - B	✓	Instrumentation and applications of SEM	7.10.16
80	17.10.16 - C	✓	Instrumentation and applications of AFM	14.10.16
81	18.10.16 - D	✓	Instrumentation and applications of AFM	17.10.16
82	19.10.16 - E	✓	Instrumentation and applications of XRD	17.10.16
83	19.10.16 - E	✓	" "	18.10.16
84	20.10.16 - F	✓	Instrumentation and applications of UV-VIS Spectrophotometer	18.10.16
85	22.10.16 - B	N	" "	19.10.16
86	24.10.16 - C	✓	Instrumentation and applications of TGA-DTA	19.10.16
87	25.10.16 - D	N	" "	20.10.16
88	26.10.16 - E	N	DSC	22.10.16
89	26.10.16 - E	✓	"	24.10.16
90	31.10.16 - F	✓	Revision	25.10.16


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LESSON PLAN AND RECORD OF CLASSES ENGAGED

Course : M.Sc. Physics

Class : II year Academic Year : 2016 - 2017 Semester : III

Title of the Paper : Spectroscopy

Subject Code : 15PPHC 33

Theory / Practical

Name of the Teacher : M. Shanmuga

Sl.No.	Date & Order	Unit	Topics planned	Covered on
1.	16.06.16 A	I	EM Spectrum	17.06.16
2.	17.06.16 B		Interaction of EM radiation with matter	20.06.16
3.	20.06.16 C		} Molecular absorption of EM radiation.	21.06.16
4.	21.06.16 D			
5.	23.06.16 F		} Different types of molecular energies	23.06.16
6.	23.06.16 F			
7.	24.06.16 A		} Types of molecular spectra	25.06.16
8.	25.06.16 B			
9.	27.06.16 C			} Emission of radiatit
10.	28.06.16 D		} energy by atoms and molecules	
11.	30.06.16 F			
12.	30.06.16 F		} Characteristics of spectral lines	30.06.16
13.	01.07.16 A			
14.	02.07.16 B			
15.	11.07.16 C		}	

Text books :

1. Molecular Structure and Spectroscopy, G. Anul das
2. Fundamentals of Molecular Spectroscopy, John N. Banwell

Reference books :

1. Spectroscopy, G.R. Chakravarti and S.K. Anand

Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment						
Internal Test		I st Test Portions	II nd Test Portions	III rd Test Portions		

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Sl.No.	Date & Order	Unit	Topics planned	Covered on
16.	13.07.16 D	I	Theoretical principles of molecular spectroscopy	11.07.16.
17.	14.07.16 F			
18.	14.07.16 F			
19.	15.07.16 A		} Classification of molecules	15.07.16
20.	16.07.16 B			
21.	18.07.16 C		} Rotational spectra of rigid diatomic molecules	19.07.16
22.	19.07.16 D			
23.	21.07.16 F			
24.	21.07.16 F		} Isotope effect in rotational spectra	21.07.16.
25.	22.07.16 A			
26.	25.07.16 B	} Intensity of rotational lines	25.07.16.	
27.	26.07.16 C			
28.	27.07.16 D			
29.	29.07.16 F	} Linear Polyatomic molecules	29.07.16.	
30.	29.07.16 F			
31.	30.07.16 A		symmetric molecules	01.8.16
32.	01.08.16 B	Asymmetric molecules	03.8.16	
33.	02.08.16 C	Microwave spectrometer	5.8.16	
34.	03.08.16 D	} Information derived from rotational spectra	8.8.16.	
35.	05.08.16 F			
36.	05.08.16 F	II III	} Vibration band	
37.	08.08.16 A			
38.	09.08.16 B			
39.	10.08.16 C	} Rotation	11.8.16	
40.	11.08.16 D			


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Sl.No.	Date & Order	Unit	Topics planned	Covered on
41.	13.8.16 F		2 vibration spectra of	13.8.16
42.	13.8.16 F		polyatomic molecules	
43.	17.8.16 A		linear molecules	18.8.16
44.	18.8.16 B		symmetric top molecules	19.8.16.
45.	19.8.16 C		2 Interpretation of	23.8.16.
46.	20.8.16 D		vibrational spectra	
47.	23.8.16 E		2 IR spectrometer	24.8.16.
48.	23.8.16 F			
49.	24.8.16 A		2 Instrumentation	26.8.16.
50.	26.8.16 B			
51.	27.8.16 C		2 FTIR principle, arrangement	31.8.16
52.	29.8.16 D		and advantages.	
53.	31.8.16 E		2 Applications of IR	2.9.16.
54.	31.8.16 F	III	spectroscopy.	
55.	1.9.16 A	IV	2 Raman effect	7.9.16.
56.	2.9.16 B			
57.	6.9.16 C		2 Rotational Raman spectra	15.9.16
58.	7.9.16 D			
59.	9.9.16 E		2 vibrational Raman	16.9.16
60.	9.9.16 F		spectra	
61.	15.9.16 A		Raman Spectrometer	17.9.16
62.	16.9.16 B		Applications of Raman Spectroscopy	19.9.16
63.	17.9.16 C		Vibrational Coarse structure	21.9.16
64.	19.9.16 D		2 vibrational analysis of	22.9.16
65.	21.9.16 F		Band systems.	

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