## NBGSM College Lesson Plan July 2019- Nov 2019

Name of assistant Professor :	Anubha Rajput
Class:	B.sc
Semester:	1
Subject:(PHYSICS)	ELECTRICITY AND MAGNETISM

	Day	Date	Topic
1st Week	1	16-Jul-19	Introduction of unit 1 (Mathematical Background, Electrostatic Field )
	2	17-Jul-19	Scalars and Vectors
	3	18-Jul-19	Dot and cross product
	4	19-Jul-19	Triple vector product
	5	20-Jul-19	Scalar and Vector fields
	Sunday	21-Jul-19	
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2nd Week	1	22-Jul-19	Differentiation of a vector
	2	23-Jul-19	Gradient of a scalar
	3	24-Jul-19	Physical significance of gradient of a scalar
	4	25-Jul-19	line integral
	5	26-Jul-19	Physical significance of line integral
	6	27-Jul-19	Surface Integral
	Sunday	28-Jul-19	
3rd week	1	29-Jul-19	Physical significance of Surface integral
	2	30-Jul-19	Volume Integral
	3	31-Jul-19	Holiday
	4	1-Aug-19	Physical significance of Volume integral
	5	2-Aug-19	Gauss's divergence theorem
	6	3-Aug-19	Stocks theorem
	Sunday	4-Aug-19	
4th week	1	5-Aug-19	Revision of above topics
	2	6-Aug-19	Derivation of field E from potential as gradient
	3	7-Aug-19	Derivation of Laplace equations
	4	8-Aug-19	Derivation of Poisson equations
	5	9-Aug-19	Elecotric flux
	6	10-Aug-19	Gauss's Law
	Sunday	11-Aug-19	
5th week	1	12-Aug-19	Holiday
	2	13-Aug-19	Application to spherical shell
	3	14-Aug-19	Application to uniformly charged infinite plane
	4	15-Aug-19	Holiday
	5	16-Aug-19	Application to uniformity charged straight wire
	6	17-Aug-19	Mechanical force of charged surface
	Sunday	18-Aug-19	
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6th week	1	19-Aug-19	Energy per unit volume
	2	20-Aug-19	Numeicals based on Unit 1
	3	21-Aug-19	Numeicals based on Unit 1
	4	22-Aug-19	Revision of Unit 1
	5	23-Aug-19	Class test of Unit 1
	6	24-Aug-19	Holiday
	Sunday	25-Aug-19	
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7th week	1	26-Aug-19	Introduction of Unit 2 (Magnetostatistics )
	+		
	2	27-Aug-19	Magnetic Induction

	4	20 4 10	Solenoidal nature of Vector field of induction
	5	29-Aug-19 30-Aug-19	Properties of B
	+	_	Electronic theory of dia magnatism
	6 Sunday	31-Aug-19 1-Sep-19	Electronic theory of dia magnatism
	Sunday	1-3ep-19	
8th week	1	2-Sep-19	Electronic theory of para magnetism (Langevin's theory)
our week	2	3-Sep-19	Domain theory of ferromagnetism
	3	4-Sep-19	Cycle of Magnetisation
	4	5-Sep-19	Hysteresis (Energy dissipation)
	5	6-Sep-19	Hysteresis( Hysteresis loss)
	6	7-Sep-19	Hysteresis importance of Hysteresis curve)
	Sunday	8-Sep-19	
9th week	1	9-Sep-19	Numericals based on Unit 2
	2	10-Sep-19	Numericals based on Unit 2
	3	11-Sep-19	Revision of Unit 2
	4	12-Sep-19	Class test of Unit 2
	5	13-Sep-19	Introduction of Unit 3 (Electromagnetic Theory)
	6	14-Sep-19	Maxwell equation and their derivations
	Sunday	15-Sep-19	
10th week	1	16-Sep-19	Maxwell equation and their derivations
	2	17-Sep-19	Displacement Current
	3	18-Sep-19	Vector potentials
	4	19-Sep-19	Scalar potentials
	5	20-Sep-19	Revision of above topics
	6	21-Sep-19	Revision of above topics
	Sunday	22-Sep-19	
1146	1	22 Can 10	Heliden
11th week	2	23-Sep-19 24-Sep-19	Holiday  Numericals based on Unit 1
	3	25-Sep-19	Numericals based on Unit 1
	4	26-Sep-19	Numericals based on Unit 1
	5	27-Sep-19	Numericals based on Unit 2
	6	28-Sep-19	Numericals based on Unit 2
	Sunday	29-Sep-19	Transcribed Subsect of the E
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12th week	1	30-Sep-19	Boundary conditions
	2	1-Oct-19	Boundary conditions
	3	2-Oct-19	Holiday
	4	3-Oct-19	Interface between two different media
	5	4-Oct-19	Interface between two different media
	6	5-Oct-19	Interface between two different media
	Sunday	6-Oct-19	
13th week	1	7-Oct-19	Revision of Unit 1
	2	8-Oct-19	Holiday
	3	9-Oct-19	Revision of Unit 1
	4	10-Oct-19	Revision of Unit 1
	5	11-Oct-19	Revision of Unit 1
	6	12-Oct-19	Revision of Unit 1
	Sunday	13-Oct-19	
a sol ·		44.0 / 12	December of december 2
14th week	1	14-Oct-19	Propagation of electromagnetic wave
	2	15-Oct-19	Propagation of electromagnetic wave
	3	16-Oct-19	Propagation of electromagnetic wave
	4	17-Oct-19	Holiday
	5	18-Oct-19	Poynting vector
	6	19-Oct-19 20-Oct-19	Poynting vector
	Sunday	70-0ct-19	

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15th week	1	21-Oct-19	Poynting theorem
	2	22-Oct-19	Poynting theorem
	3	23-Oct-19	Revision of Unit 3
	4	24-Oct-19	Diwali Vacations
	5	25-Oct-19	Diwali Vacations
	6	26-Oct-19	Diwali Vacations
	Sunday	27-Oct-19	
16th week	1	28-Oct-19	Diwali Vacations
	2	29-Oct-19	Diwali Vacations
	3	30-Oct-19	Diwali Vacations
	4	31-Oct-19	Numericals based on Unit 3
	5	1-Nov-19	Holiday
	6	2-Nov-19	Numericals based on Unit 3
	Sunday	3-Nov-19	
17th week	1	4-Nov-19	Class test of Unit 3
	2	5-Nov-19	Revision of Unit 1
	3	6-Nov-19	Revision of Unit 1
	4	7-Nov-19	Revision of Unit 2
	5	8-Nov-19	Revision of Unit 2
	6	9-Nov-19	Revision of Unit 3
	Sunday	10-Nov-19	
18th week	1	11-Nov-19	Revision of Unit 3
	2	12-Nov-19	Important questions discussion for Unit 1
	3	13-Nov-19	Important questions discussion for Unit 1
	4	14-Nov-19	Important questions discussion for Unit 2
	5	15-Nov-19	Important questions discussion for Unit 3
	6	16-Nov-19	Important questions discussion for Unit 3
	Sunday	17-Nov-19	
Name of assistant Professor :	Anubha Rajput		
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Class:	B Sc 2		
Class :	B.Sc 2		
Semester:	3		
Semester:	3 Optics – I	Date	Tonic
Semester: Subject:(PHYSICS)	3 Optics – I	<b>Date</b>	Topic Introduction of Unit 1/Fourier Analysis)
Semester:	3 Optics – I Day	16-Jul-19	Introduction of Unit 1(Fourier Analysis)
Semester: Subject:(PHYSICS)	3 Optics – I Day 1	16-Jul-19 17-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string
Semester: Subject:(PHYSICS)	3 Optics – I Day 1 2 3	16-Jul-19 17-Jul-19 18-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string
Semester: Subject:(PHYSICS)	3 Optics – I Day 1 2 3 4	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid
Semester: Subject:(PHYSICS)	3 Optics – I Day 1 2 3 4 5	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string
Semester: Subject:(PHYSICS)	3 Optics – I Day 1 2 3 4	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid
Semester: Subject:(PHYSICS)  1st Week	3 Optics – I Day 1 2 3 4 5 Sunday	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid
Semester: Subject:(PHYSICS)	3 Optics – I Day 1 2 3 4 5	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves
Semester: Subject:(PHYSICS)  1st Week	3 Optics – I  Day  1 2 3 4 5 Sunday	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19 22-Jul-19 23-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves
Semester: Subject:(PHYSICS)  1st Week	3 Optics – I  Day  1 2 3 4 5 Sunday	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves  Fourier Analysis of complex waves
Semester: Subject:(PHYSICS)  1st Week	3 Optics – I  Day  1 2 3 4 5 Sunday	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19 22-Jul-19 23-Jul-19 24-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves  Fourier Analysis of complex waves  Fourier Analysis of complex waves
Semester: Subject:(PHYSICS)  1st Week	3 Optics – I  Day  1 2 3 4 5 Sunday  1 2 3 4 4 5 4 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19 22-Jul-19 23-Jul-19 24-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves  Fourier Analysis of complex waves  Application of Fourier Analysis (Triangular waves)
Semester: Subject:(PHYSICS)  1st Week	3 Optics – I  Day  1 2 3 4 5 Sunday  1 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19 22-Jul-19 23-Jul-19 24-Jul-19 25-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves  Fourier Analysis of complex waves  Fourier Analysis of complex waves
Semester: Subject:(PHYSICS)  1st Week	3 Optics – I  Day  1 2 3 4 5 Sunday  1 2 3 4 5 6	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19 22-Jul-19 23-Jul-19 24-Jul-19 25-Jul-19 26-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves  Fourier Analysis of complex waves  Application of Fourier Analysis (Triangular waves)
Semester: Subject:(PHYSICS)  1st Week	3 Optics – I  Day  1 2 3 4 5 Sunday  1 2 3 4 5 6	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19 22-Jul-19 23-Jul-19 24-Jul-19 25-Jul-19 26-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves  Fourier Analysis of complex waves  Application of Fourier Analysis (Triangular waves)
Semester: Subject:(PHYSICS)  1st Week  2nd Week	3 Optics – I  Day  1 2 3 4 5 Sunday  1 2 3 4 5 Sunday	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19 22-Jul-19 24-Jul-19 25-Jul-19 26-Jul-19 27-Jul-19 28-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves  Fourier Analysis of complex waves  Fourier Analysis of complex waves  Application of Fourier Analysis ( Triangular waves)  Application of Fourier Analysis ( Rectangular waves)
Semester: Subject:(PHYSICS)  1st Week  2nd Week	3 Optics – I  Day  1 2 3 4 5 Sunday  1 2 3 4 5 Sunday	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19 22-Jul-19 23-Jul-19 24-Jul-19 25-Jul-19 27-Jul-19 28-Jul-19 29-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves  Fourier Analysis of complex waves  Fourier Analysis of complex waves  Application of Fourier Analysis ( Triangular waves)  Application of Fourier Analysis ( Rectangular waves)  Application of Fourier Analysis ( Half wave rectifier out puts)
Semester: Subject:(PHYSICS)  1st Week  2nd Week	3 Optics – I  Day  1 2 3 4 5 Sunday  1 2 3 4 5 Sunday	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19 22-Jul-19 23-Jul-19 24-Jul-19 25-Jul-19 26-Jul-19 27-Jul-19 28-Jul-19 29-Jul-19 30-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves  Fourier Analysis of complex waves  Fourier Analysis of complex waves  Application of Fourier Analysis ( Triangular waves)  Application of Fourier Analysis ( Rectangular waves)  Application of Fourier Analysis (Half wave rectifier out puts)  Application of Fourier Analysis (Full wave rectifier out puts)
Semester: Subject:(PHYSICS)  1st Week  2nd Week	3 Optics – I  Day  1 2 3 4 5 Sunday  1 2 3 4 5 Sunday  1 2 3 4 5 6 Sunday	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19 22-Jul-19 23-Jul-19 24-Jul-19 25-Jul-19 27-Jul-19 28-Jul-19 29-Jul-19 30-Jul-19 31-Jul-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves  Fourier Analysis of complex waves  Fourier Analysis of complex waves  Application of Fourier Analysis ( Triangular waves)  Application of Fourier Analysis ( Rectangular waves)  Application of Fourier Analysis (Half wave rectifier out puts)  Application of Fourier Analysis (Full wave rectifier out puts)  Holiday  Application of Fourier Analysis
Semester: Subject:(PHYSICS)  1st Week  2nd Week	3 Optics – I  Day  1 2 3 4 5 Sunday  1 2 3 4 5 Sunday  1 2 3 4 5 6 Sunday	16-Jul-19 17-Jul-19 18-Jul-19 19-Jul-19 20-Jul-19 21-Jul-19 22-Jul-19 23-Jul-19 24-Jul-19 25-Jul-19 27-Jul-19 28-Jul-19 29-Jul-19 30-Jul-19 31-Jul-19 1-Aug-19	Introduction of Unit 1(Fourier Analysis)  Speed of transverse waves on a uniform string  Speed of transverse waves on a uniform string  Speed of longitudinal waves in a fluid  Speed of longitudinal waves in a fluid  Superposition of waves  Superposition of waves  Fourier Analysis of complex waves  Fourier Analysis of complex waves  Application of Fourier Analysis (Triangular waves)  Application of Fourier Analysis (Rectangular waves)  Application of Fourier Analysis (Half wave rectifier out puts)  Application of Fourier Analysis (Full wave rectifier out puts)  Holiday

	Sunday	4-Aug-19	
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4th week	1	5-Aug-19	Fourier transforms
	2	6-Aug-19	Properties of Fourier transforms
	3	7-Aug-19	Properties of Fourier transforms
	4	8-Aug-19	Properties of Fourier transforms
	5	9-Aug-19	Application of fourier transform( $f(x) = e-x2/2$ )
	6	10-Aug-19	Application of fourier transform( $f(x) = e-x2/2I[x] < a,0[x] > a$ )
	Sunday	11-Aug-19	
5th week	1	12-Aug-19	Holiday
	2	13-Aug-19	Revision of unit 1
	3	14-Aug-19	Numericals based on unit 1
	4	15-Aug-19	Holiday
	5	16-Aug-19	Numericals based on unit 1
	6	17-Aug-19	Numericals based on unit 1
	Sunday	18-Aug-19	
6th week	1	19-Aug-19	Class test of Unit 1
	2	20-Aug-19	Introduction of unit 2(Geometrical Optics)
	3	21-Aug-19	Matrix methods in paraxial optics
	4	22-Aug-19	Matrix methods in paraxial optics
	5	23-Aug-19	Revision of Unit 1
	6	24-Aug-19	Holiday
	Sunday	25-Aug-19	
7th week	1	26-Aug-19	Effects of translation
	2	27-Aug-19	Effects of Refraction
	3	28-Aug-19	Derivation of thin lens lens formulae
	4	29-Aug-19	Derivation of thin thick lens formulae
	5	30-Aug-19	Derivation of thick lens formulae
	6	31-Aug-19	Derivation of thick lens formulae
	Sunday	1-Sep-19	
044	1	2.5 10	Unit along
8th week	1	2-Sep-19	Unit plane
	2	3-Sep-19	Nodal planes
	3	4-Sep-19	System of thin lenses
	4	5-Sep-19	System of thin lenses
	5	6-Sep-19	Chromatic
	6 Sunday	7-Sep-19	Chromatic
	Sunday	8-Sep-19	
9th week	1	9-Sep-19	Spherical coma
	2	10-Sep-19	Astigmatism
	3	11-Sep-19	Distortion aberrations
	4	12-Sep-19	Remedies of Distortion aberrations
	5	13-Sep-19	Remedies of Distortion aberrations
	6	14-Sep-19	Numericals based on Unit 2
	Sunday	15-Sep-19	
10th week	1	16-Sep-19	Numericals based on Unit 2
	2	17-Sep-19	Numericals based on Unit 2
	3	18-Sep-19	Revision of Unit 2
	4	19-Sep-19	Revision of Unit 2
	5	20-Sep-19	Revision of Unit 2
	6	21-Sep-19	Class test of Unit 2
	Sunday	22-Sep-19	
11th week	1	23-Sep-19	Holiday
	2	24-Sep-19	Introduction of unit 3 (Interference)

	1 2	25 Cara 40	T of labourfaces
	3	25-Sep-19	Types of Intereference
	4	26-Sep-19	Iterference by Division of Wavefront
	5	27-Sep-19	Iterference by Division of Wavefront
	6	28-Sep-19	Fresnel's Biprism
	Sunday	29-Sep-19	
12th week	1	20 Can 10	Fraccol's Dinzism
12th week	2	30-Sep-19 1-Oct-19	Fresnel's Biprism
	3	2-Oct-19	Applications to determination of wave length of sodium light  Holiday
	4	3-Oct-19	Applications to determination of wave length of sodium light
	5	4-Oct-19	Thickness of a mica sheet
	6	5-Oct-19	Thickness of a mica sheet
	Sunday	6-Oct-19	THICKHESS OF A THICA SHEET
	Juliuay	0 000 15	
13th week	1	7-Oct-19	Lioyd's mirror
	2	8-Oct-19	Holiday
	3	9-Oct-19	Lioyd's mirror
	4	10-Oct-19	Lioyd's mirror
	5	11-Oct-19	Phase change on reflection
	6	12-Oct-19	Phase change on reflection
	Sunday	13-Oct-19	
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14th week	1	14-Oct-19	Revision of unit 3
	2	15-Oct-19	Revision of unit 3
	3	16-Oct-19	Revision of unit 3
	4	17-Oct-19	Holiday
	5	18-Oct-19	Numericals based on Unit 3
	6	19-Oct-19	Numericals based on Unit 3
	Sunday	20-Oct-19	
15th week	1	21-Oct-19	Numericals based on Unit 3
	2	22-Oct-19	Class test of Unit 3
	3	23-Oct-19	Revision of unit 1
	4	24-Oct-19	Diwali Vacations
	5 6	25-Oct-19 26-Oct-19	Diwali Vacations Diwali Vacations
		26-0ct-19 27-0ct-19	Diwali vacations
	Sunday	27-001-19	
16th week	1	28-Oct-19	Diwali Vacations
Total Week	2	29-Oct-19	Diwali Vacations
	3	30-Oct-19	Diwali Vacations
	4	31-Oct-19	Important Question discussion of Unit 1
	5	1-Nov-19	Holiday
	6	2-Nov-19	Important Question discussion of Unit 2
	Sunday	3-Nov-19	
17th week	1	4-Nov-19	Important Question discussion of Unit 2
	2	5-Nov-19	Important Question discussion of Unit 3
	3	6-Nov-19	Important Question discussion of Unit 3
	4	7-Nov-19	Revision of unit 1
	5	8-Nov-19	3 Hours test of Unit 1
	6	9-Nov-19	Discussion of marks
and t	Sunday	10-Nov-19	D. 111 f 11.2
18th week	1	11-Nov-19	Revision of unit 2
	2	12-Nov-19	3 Hours test of Unit 2
	3 4	13-Nov-19	Discussion of marks Revision of unit 3
	5	14-Nov-19 15-Nov-19	3 Hours test of Unit 3
	6	15-Nov-19 16-Nov-19	Discussion of marks
	Sunday	17-Nov-19	DISCUSSION OF MAINS
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Name of assistant Professor :	Anub	l ha Rajput	
Class:		3.sc 3	
Semester:		5	
Subject:(PHYSICS)	QUANTU	M MECHANICS	
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	Day	Date	
1st Week	1	16-Jul-19	Introduction of Quantum Mechainsm
	2	17-Jul-19	Introduction of unit 1
	3	18-Jul-19	Failure of (Classical) E.M. Theory
	4	19-Jul-19	Quantum theory of radiatio (old quantum theory)
	5	20-Jul-19	Quantum theory of radiatio (old quantum theory)
	Sunday	21-Jul-19	
2nd Week	1	22-Jul-19	Photon
	2	23-Jul-19	Photoelectric effect
	3 4	24-Jul-19 25-Jul-19	Photoelectric effect
	5	25-Jul-19 26-Jul-19	Holiday Einsteins photoelectric equation
	6	27-Jul-19	Einsteins photoelectric equation
	Sunday	28-Jul-19	Linsteins photoelectric equation
	Juliuay	20 Jul 15	
3rd week	1	29-Jul-19	Compton effect (theory and result)
0.0.000	2	30-Jul-19	Compton effect (theory and result)
	3	31-Jul-19	Compton effect (theory and result)
	4	1-Aug-19	Compton effect (theory and result)
	5	2-Aug-19	Inadequancy of old quantum theory
	6	3-Aug-19	De-Broglie hypothesis
	Sunday	4-Aug-19	
4th week	1	5-Aug-19	De-Broglie hypothesis
	2	6-Aug-19	Holiday
	3	7-Aug-19	Davisson and Germer experiment
	4	8-Aug-19	Davisson and Germer experiment
	5	9-Aug-19	Holiday
	6	10-Aug-19	G.P. Thomson experiment
	Sunday	11-Aug-19	
Fab al.	4	12 4 10	C.D. The success associated at
5th week	2	12-Aug-19	G.P. Thomson experiment
	3	13-Aug-19 14-Aug-19	Phase velocity group velocity  Phase velocity group velocity
	4	15-Aug-19	Heisenberg's uncertainty principle
	5	16-Aug-19	Heisenberg's uncertainty principle
	6	17-Aug-19	Time-energy and angular momentum
	Sunday	18-Aug-19	Holiday
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6th week	1	19-Aug-19	Time-energy and angular momentum
	2	20-Aug-19	position uncertainty
	3	21-Aug-19	Position uncertainty
	4	22-Aug-19	Uncertainty principle from de-Broglie wave
	5	23-Aug-19	Uncertainty principle from de-Broglie wave
	6	24-Aug-19	Uncertainty principle from de-Broglie wave
	Sunday	25-Aug-19	
		_	
7th week	1	26-Aug-19	Uncertainty principle from de-Broglie wave
	2	27-Aug-19	Gamma Ray Maciroscope
	3	28-Aug-19	Gamma Ray Maciroscope
	4	29-Aug-19	Electron diffraction from a slit
	5	30-Aug-19	Numericals based on Unit 1

	6	31-Aug-19	Numericals based on Unit 1
	Sunday	1-Sep-19	
	,		
8th week	1	2-Sep-19	Revision of unit 1
	2	3-Sep-19	Revision of unit 1
	3	4-Sep-19	Introduction of Unit 2
	4	5-Sep-19	Derivation of time dependent Schrodinger wave equation
	5	6-Sep-19	Eigen values
	6	7-Sep-19	Eigen values
	Sunday	8-Sep-19	
9th week	1	9-Sep-19	Eigen functions
	2	10-Sep-19	Wave functions
	3	11-Sep-19	Wave functions and its significance.
	4	12-Sep-19	Normalization of wave function
	5	13-Sep-19	Class test of Unit 1
	6	14-Sep-19	Concept of observable
	Sunday	15-Sep-19	
10th week	1	16-Sep-19	Concept of operator
	2	17-Sep-19	Holiday
	3	18-Sep-19	Solution of Schrodinger equation for harmomic oscillator
	4	19-Sep-19	Solution of Schrodinger equation for harmomic oscillator
	5	20-Sep-19	Ground states
	6	21-Sep-19	Excited states
	Sunday	22-Sep-19	
114haal	1	22 Can 10	Povision of unit 2
11th week	2	23-Sep-19	Revision of unit 2 Revision of unit 2
	2	24-Sep-19	
	2	2E Can 10	
	3	25-Sep-19	Numericals of Unit 2
	4	26-Sep-19	Holiday
	4 5	26-Sep-19 27-Sep-19	Holiday Numericals of Unit 2
	4 5 6	26-Sep-19 27-Sep-19 28-Sep-19	Holiday
	4 5	26-Sep-19 27-Sep-19	Holiday Numericals of Unit 2
12th week	4 5 6	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19	Holiday Numericals of Unit 2
12th week	4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19	Holiday Numericals of Unit 2 Numericals of Unit 2
12th week	4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3
12th week	4 5 6 Sunday 1 2	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday
12th week	4 5 6 Sunday 1 2 3	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation
12th week	4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday
12th week	4 5 6 Sunday 1 2 3 4 5	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 4-Oct-19	Holiday Numericals of Unit 2 Numericals of Unit 2  Class test of unit 2 Introduction of unit 3 Holiday Application of Schrodinger equation Free particle in one dimensional box
12th week	4 5 6 Sunday 1 2 3 4 5	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 4-Oct-19 5-Oct-19	Holiday Numericals of Unit 2 Numericals of Unit 2  Class test of unit 2 Introduction of unit 3 Holiday Application of Schrodinger equation Free particle in one dimensional box
12th week	4 5 6 Sunday 1 2 3 4 5	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 4-Oct-19 5-Oct-19	Holiday Numericals of Unit 2 Numericals of Unit 2  Class test of unit 2 Introduction of unit 3 Holiday Application of Schrodinger equation Free particle in one dimensional box
	4 5 6 Sunday 1 2 3 4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 5-Oct-19 6-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function
	4 5 6 Sunday 1 2 3 4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 4-Oct-19 5-Oct-19 7-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values
	4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 5-Oct-19 6-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function
	4 5 6 Sunday 1 2 3 4 5 6 Sunday 1 2 3 4 5 6	26-Sep-19 27-Sep-19 28-Sep-19 28-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 5-Oct-19 6-Oct-19 7-Oct-19 9-Oct-19 10-Oct-19 11-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,  Holiday
	4 5 6 Sunday  1 2 3 4 5 6 Sunday  1 2 3 4 5 6 Sunday  1 2 3 4 5 6 6	26-Sep-19 27-Sep-19 28-Sep-19 28-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 4-Oct-19 5-Oct-19 6-Oct-19 9-Oct-19 10-Oct-19 11-Oct-19 12-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,
	4 5 6 Sunday 1 2 3 4 5 6 Sunday 1 2 3 4 5 6	26-Sep-19 27-Sep-19 28-Sep-19 28-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 5-Oct-19 6-Oct-19 7-Oct-19 9-Oct-19 10-Oct-19 11-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,  Holiday
13th week	4 5 6 Sunday  1 2 3 4 5 6 Sunday  1 2 3 4 5 6 Sunday  1 2 3 4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 4-Oct-19 5-Oct-19 7-Oct-19 9-Oct-19 10-Oct-19 11-Oct-19 12-Oct-19 13-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,  Holiday  Quantization of energy and momentum,
	4 5 6 Sunday  1 2 3 4 5 6 Sunday  1 2 3 4 5 6 Sunday  1 2 3 4 5 6 Sunday  1	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 4-Oct-19 5-Oct-19 6-Oct-19 10-Oct-19 11-Oct-19 12-Oct-19 13-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,  Holiday  Quantization of energy and momentum,  Nodes and antinodes
13th week	4 5 6 Sunday  1 2 3 4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 4-Oct-19 5-Oct-19 8-Oct-19 10-Oct-19 11-Oct-19 12-Oct-19 13-Oct-19 14-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,  Holiday  Quantization of energy and momentum,  Nodes and antinodes  Nodes and antinodes
13th week	4 5 6 Sunday  1 2 3 4 5 3 4 5 3 4 5 3 4 5 3 4 5 3 4 5 3 4 5 3 3 4 5 5 6 3 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 5 6 3 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	26-Sep-19 27-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 6-Oct-19 7-Oct-19 9-Oct-19 11-Oct-19 11-Oct-19 12-Oct-19 13-Oct-19 13-Oct-19 15-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,  Holiday  Quantization of energy and momentum,  Nodes and antinodes  Nodes and antinodes  Zero point energy
13th week	4 5 6 Sunday  1 2 3 4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 6-Oct-19 7-Oct-19 9-Oct-19 11-Oct-19 11-Oct-19 12-Oct-19 13-Oct-19 15-Oct-19 15-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,  Holiday  Quantization of energy and momentum,  Nodes and antinodes  Nodes and antinodes  Zero point energy  One-dimensional potential barrie E>V0
13th week	4 5 6 Sunday  1 2 3 4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 6-Oct-19 7-Oct-19 10-Oct-19 11-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,  Holiday  Quantization of energy and momentum,  Nodes and antinodes  Nodes and antinodes  Zero point energy  One-dimensional potential barrie E>V0  Reflection and Transmission coefficient
13th week	4 5 6 Sunday  1 2 3 4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 6-Oct-19 7-Oct-19 10-Oct-19 11-Oct-19 12-Oct-19 13-Oct-19 15-Oct-19 15-Oct-19 15-Oct-19 16-Oct-19 17-Oct-19 17-Oct-19 19 19-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,  Holiday  Quantization of energy and momentum,  Nodes and antinodes  Nodes and antinodes  Zero point energy  One-dimensional potential barrie E>V0
13th week	4 5 6 Sunday  1 2 3 4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 6-Oct-19 7-Oct-19 10-Oct-19 11-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,  Holiday  Quantization of energy and momentum,  Nodes and antinodes  Nodes and antinodes  Zero point energy  One-dimensional potential barrie E>VO  Reflection and Transmission coefficient
13th week	4 5 6 Sunday  1 2 3 4 5 6 Sunday	26-Sep-19 27-Sep-19 28-Sep-19 28-Sep-19 29-Sep-19 30-Sep-19 1-Oct-19 2-Oct-19 3-Oct-19 6-Oct-19 7-Oct-19 10-Oct-19 11-Oct-19 12-Oct-19 13-Oct-19 15-Oct-19 15-Oct-19 15-Oct-19 16-Oct-19 17-Oct-19 17-Oct-19 19 19-Oct-19	Holiday  Numericals of Unit 2  Numericals of Unit 2  Class test of unit 2  Introduction of unit 3  Holiday  Application of Schrodinger equation  Free particle in one dimensional box  Free particle in one dimensional box  Solution of schrodinger wave equation  Eigen function  Eigen values  Quantization of energy and momentum,  Holiday  Quantization of energy and momentum,  Nodes and antinodes  Nodes and antinodes  Zero point energy  One-dimensional potential barrie E>VO  Reflection and Transmission coefficient

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	2	22-Oct-19	Penetration of leakage
	3	23-Oct-19	Coefficient
	4	24-Oct-19	Diwali Vacations
	5	25-Oct-19	Diwali Vacations
	6	26-Oct-19	Holiday
	Sunday	27-Oct-19	
16th week	1	28-Oct-19	Diwali Vacations
	2	29-Oct-19	Diwali Vacations
	3	30-Oct-19	Diwali Vacations
	4	31-Oct-19	Numericals based on Unit 3
	5	1-Nov-19	Numericals based on Unit 3
	6	2-Nov-19	Numericals based on Unit 3
	Sunday	3-Nov-19	
17th week	1	4-Nov-19	Class test of Unit 3
	2	5-Nov-19	Important discussion of Unit 1
	3	6-Nov-19	3 Hours Clas test of Unit 1
	4	7-Nov-19	Marks discussion of Unit 1
	5	8-Nov-19	Important discussion of Unit 2
	6	9-Nov-19	3 Hours Clas test of Unit 2
	Sunday	10-Nov-19	
18th week	1	11-Nov-19	Marks discussion of Unit 2
	2	12-Nov-19	Topic
	3	13-Nov-19	Important discussion of Unit 3
	4	14-Nov-19	3 Hours Clas test of Unit 3
	5	15-Nov-19	3 Hours Clas test of Unit 3
	6	16-Nov-19	Revision
	Sunday	17-Nov-19	
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