

महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

कक्षा : बी.एस-सी. भाग-एक			पाठ्यक्रम योजना : सत्र २०१५-२०१६		विषय : भौतिकी (Physics)
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
01-08-2015	1	Maneeta Singh	III	Intoduction	List of books
03-08-2015	2	Maneeta Singh	III	Magnetostatics	Biot-Savart's Law
04-08-2015	1	Maneeta Singh	II	Intoduction	List of books
05-08-2015	1	Amit Kumar	II	Intoduction	List of books
06-08-2015	1	Amit Kumar	I	Intoduction	List of books
07-08-2015		Amit Kumar		CLASS TEACHING	
08-08-2015	3	Maneeta Singh	III	Magnetostatics	Magnetic field due to a straight wire, circular coil
10-08-2015	4	Maneeta Singh	III	Magnetostatics	Magnetic field due to Helmholtz coils, solenoid, toroid
11-08-2015	2	Maneeta Singh	II	Free Oscillation	Free Oscillation, differential equation of SHM & its solution
12-08-2015	2	Amit Kumar	II	Oscillation of coupled system	Normal modes of vibration of mechanical with degree
13-08-2015	2	AMIT KUMAR	I	Dynamics of rigid bodies	Equation of motion of rigid body
14-08-2015		AMIT KUMAR		CLASS TEACHING	
17-08-2015	5	Maneeta Singh	III	Magnetostatics	Lorentz force, magnetisation
18-08-2015	6	Maneeta Singh	III	Magnetostatics	Magnetic permeability and susceptibility
20-08-2015	3	Maneeta Singh	II	Free Oscillation	Example of mechanical & electrical system
21-08-2015	3	AMIT KUMAR	II	Oscillation of coupled system	Normal mode of vibration of electrical system with degree
22-08-2015	3	AMIT KUMAR	III	Dynamics of rigid bodies	M.I. and radius of gyration
23-08-2015		Maneeta / Amit		MONTHLY EVALUATION	
24-08-2015	7	Maneeta Singh	III	Magnetostatics	Electromagnetic induction, induced electric field
25-08-2015	8	Maneeta Singh	III	Magnetostatics	Faraday's law, mutual induction
26-08-2015	4	Maneeta Singh	II	Free Oscillation	Addition of S.H.M.
27-08-2015	4	AMIT KUMAR	II	Oscillation of coupled system	Vibration of string
31-08-2015	4	AMIT KUMAR	III	Dynamics of rigid bodies	Theorem of parallel axes
01-09-2015				CLASS TEACHING	
03-09-2015	9	Maneeta Singh	III	Magnetostatics	Integral and differential form of Faraday's law
04-09-2015	10	Maneeta Singh	III	Magnetostatics	Series and parallel combination of induction
07-09-2015	5	Maneeta Singh	II	Free Oscillation	Lissajous figure
08-09-2015	5	AMIT KUMAR	II	Oscillation of coupled system	Vibration of rectangular membrane
09-09-2015	5	AMIT KUMAR	III	Dynamics of rigid bodies	The perpendicular axes
10-09-2015		AMIT KUMAR		CLASS TEACHING	

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11-09-2015	11	Maneeta Singh	III	Magnetostatics	Coupled circuits
12-09-2015	12	Maneeta Singh	III	Magnetostatics	Ideal transformer
14-09-2015	6	Maneeta Singh	II	Free Oscillation	Lissajous figures with frequency ratio 1:1 and 2:1
15-09-2015	6	AMIT KUMAR	II	Oscillation of coupled system	Forced oscillation of coupled system
16-09-2015	6	AMIT KUMAR	I	Dynamics of rigid bodies	M.I. of Ring and disc
18-09-2015		AMIT KUMAR		CLASS TEACHING	
19-09-2015	13	Maneeta Singh	III	Electromagnetic waves	Maxwell's equations
21-09-2015	14	Maneeta Singh	III	Electromagnetic waves	E.M. waves in vacuum, E.M. Field energy density
22-09-2015	7	Maneeta Singh	II	Damped harmonic oscillation	Mechanical and electrical system
23-09-2015	7	AMIT KUMAR	II	Wave motion	Wave motion
24-09-2015	7	AMIT KUMAR	I	Dynamics of rigid bodies	M.I. of Rectangular beam
26-09-2015		Maneeta / Amit		MONTHLY EVALUATION	
28-09-2015	15	Maneeta Singh	III	Electromagnetic waves	Displacement current, poynting vector
29-09-2015	16	Maneeta Singh	III	A.C. Bridge	Introduction, J-operator
01-10-2015	8	Maneeta Singh	II	Damped harmonic oscillation	Lagorithmic decrement, relaxation time, LCR circuit
03-10-2015	8	AMIT KUMAR	II	Wave motion	Parameters of wave motion
05-10-2015	8	AMIT KUMAR	I	Dynamics of rigid bodies	Hollow and solid cylinders
06-10-2015		AMIT KUMAR		CLASS TEACHING	
07-10-2015	17	Maneeta Singh	III	A.C. Bridge	Anderson's Bridge
08-10-2015	18	Maneeta Singh	III	A.C. Bridge	Schering, Robinson's Bridge
09-10-2015	9	Maneeta Singh	II	Damped harmonic oscillation	Moving coil galvanometer
10-10-2015	9	AMIT KUMAR	II	Wave motion	Stationary waves
14-10-2015	9	AMIT KUMAR	I	Dynamics of rigid bodies	Spherical shell
15-10-2015				CLASS TEACHING	
16-10-2015	19	Maneeta Singh	III	A.C. Bridge	Wein's bridge
17-10-2015	20	Maneeta Singh	III	Network analysis	T and p networks
19-10-2015	10	Maneeta Singh	II	Forced oscillation	Forced oscillation of mechanical system
28-10-2015	10	AMIT KUMAR	II	Wave motion	Wave velocity and group velocity
29-10-2015	10	AMIT KUMAR	I	Dynamics of rigid bodies	Solid and hollow spheres
30-10-2015		Maneeta/AMIT		EVALUATION	

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31-10-2015	21	Maneeta Singh	III	Network Analysis	Equivalence of T and Π network
02-11-2015	22	Maneeta Singh	III	Network Analysis	Thevenin's theorems
03-11-2015	11	Maneeta Singh	II	Forced oscillation	Forced oscillation of electrical system
04-11-2015	11	AMIT KUMAR	II	Ultrasonic	Production
05-11-2015	11	AMIT KUMAR	I	Dynamics of rigid bodies	M.I. of Fly wheel
06-11-2015				CLASS TEACHING	
07-11-2015	23	Maneeta Singh	III	Network Analysis	Norton's Theorem
14-11-2015	24	Maneeta Singh	III	Network Analysis	Maximum Power Transfer Theorem
16-11-2015	12	Maneeta Singh	II	Forced oscillation	Sharpness of resonance
18-11-2015	12	AMIT KUMAR	II	Ultrasonic	Properties of Ultrasonic wave
19-11-2015	12	AMIT KUMAR	I	Dynamics of rigid bodies	Compound pendulum
20-11-2015				CLASS TEACHING	
21-11-2015	25	Maneeta Singh	III	Network Analysis	Low Pass Filters
23-11-2015	26	Maneeta Singh	III	Network Analysis	High Pass Filters
24-11-2015	13	Maneeta Singh	II	Forced oscillation	Quality Factor (Q)
25-11-2015	13	AMIT KUMAR	II	Ultrasonic	Uses of Ultrasonic Wave
26-11-2015	13	AMIT KUMAR	I	Elasticity	Elastic Constant and their mutual relations
27-11-2015		Maneeta /Amit		CLASS TEACHING	
28-11-2015	27	Maneeta Singh	III	Electrostatics	Field due to charge distribution
30-11-2015	28	Maneeta Singh	III	Electrostatics	Electric field due to uniform distribution of line charge
01-12-2015	14	Maneeta Singh	II	Forced oscillation	Electrical Impedance
03-12-2015	14	AMIT KUMAR	II	Ultrasonic	Acoustic Grating
07-12-2015	14	AMIT KUMAR	I	Elasticity	Theory of Bending of beam
08-12-2015		AMIT KUMAR		CLASS TEACHING	
09-12-2015	29	Maneeta Singh	III	Electrostatics	Sheet charge and spherical charge
11-12-2015	30	Maneeta Singh	III	Electrostatics	Gauss's Law and its application
12-12-2015	15	Maneeta Singh	II	Forced oscillation	LCR series resonance
14-12-2015	15	AMIT KUMAR	II	Acoustics	The Acoustics of Halls
15-12-2015	15	AMIT KUMAR	I	Elasticity	Torsion of Cylinder
16-12-2015		AMIT KUMAR		CLASS TEACHING	

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17-12-2015	31	Maneeta Singh	III	Electrostatics	Multiple expansion,
18-12-2015	16	Maneeta Singh	II	Forced Oscillation	LCR Parellel Resonance
19-12-2015	16	AMIT KUMAR	II	Acoustics	Reverberation of Time
21-12-2015	16	AMIT KUMAR	I	Properties of liquids	Steam line motion, Reynold number
22-12-2015	17	AMIT KUMAR	I	Properties of liquids	Poiseuille's Equation
28-12-2015		Maneeta Singh		MONTHLY EVALUATION	
29-12-2015	32	Maneeta Singh	III	Electrostatics	Electrostatic field energy, method of images
30-12-2015	17	Maneeta Singh	II	Fourier Analysis	Fourier Theorem, Evaluation of Fourier coefficient
31-12-2015	17	AMIT KUMAR	II	Acpistics	Sabine's Formula
01-01-2016	18	AMIT KUMAR	I	Properties of liquids	Surface Tension
02-01-2016	19	AMIT KUMAR	I	Properties of liquids	Molecular interpretation of surface tension
04-01-2016		AMIT KUMAR		CLASS TEACHING	
06-01-2016	33	Maneeta Singh	III	Electric field inside matter	Dielectrics, Parellel Plate Capacitor, Polarization
07-01-2016	18	Maneeta Singh	II	Fourier Analysis	Analysis of Square wave
08-01-2016	20	AMIT KUMAR	I	Properties of liquids	Pressure over curved surfaces
09-01-2016	21	AMIT KUMAR	I	Properties of liquids	Capillarity, Jager's Method
11-01-2016	22	AMIT KUMAR	I	Control Forces	Inverse square law Potential field due to Pherical
					shell/ sphere
12-01-2016		Maneeta Singh		CLASS TEACHING	
13-01-2016	34	Maneeta Singh	III	Electric field inside matter	Plarization, Displacement vector D
16-01-2016	19	Maneeta Singh	II	Fourier Analysis	Analysis of Sawtooth wave, Full wave rectifier
18-01-2016	23	AMIT KUMAR	I	Central Forces	Gravitational Sat anergy, Two body problem and
					reduced mars
19-01-2016	24	AMIT KUMAR	I	Central Forces	Kepler's Law, motion of a satellites
20-01-2016	25	AMIT KUMAR	I	Central Forces/ New tenion	Teosfationay satellite, inertial/non interial forms of
				Mechanics	referance
21-01-2016		Maneeta Singh		CLASS TEACHING	
22-01-2016	26	AMIT KUMAR	I	Newtonian Mechanics	non-pnertial frames of reference
23-01-2016	27	AMIT KUMAR	I	Newtonian Mechanics	Galilean transformation velocity, aecel eration,
					coriolis force

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