

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

कक्षा : बी.एस-सी. भाग-एक			पाठ्यक्रम योजना : सत्र २०१६-२०१७		विषय : भौतिकी (Physics)
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
01-08-2016	1	Maneeta Singh	III	Intoduction	List of books
02-08-2016	1	Maneeta singh	II	Intoduction	List of books
03-08-2016	1	Abhishek verma	I	Intoduction	List of books
04-08-2016		Abhishek verma		CLASS TEACHING	
05-08-2016	2	Maneeta Singh	III	Magnetostatic	Magnetic field due to a straight wire, circular coil
08-08-2016	3	Maneeta Singh	III	Magnetostatics	Magnetic field due to Helmholtz coils, solenoid, toroid
09-08-2016	2	Maneeta Singh	II	Free Oscillation	Free Oscillation, differential equation of SHM & its solution
10-08-2016	1	Abhishek verma	II	Oscillation of coupled system	Normal modes of vibration of mechanical with degree
11-08-2016	2	Abhishek verma	I	Dynamics of rigid bodies	Equation of motion of rigid body
12-08-2016		Abhishek verma		CLASS TEACHING	
13-08-2016	4	Maneeta Singh	III	Magnetostatics	Lorentz force, magnetisation
16-08-2016	5	Maneeta Singh	III	Magnetostatics	Magnetic permeability and susceptibility
17-08-2016	3	Maneeta Singh	II	Free Oscillation	Example of mechanical & electrical system
19-08-2016	4	Abhishek verma	II	Oscillation of coupled system	Normal mode of vibration of electrical system with degree
20-08-2016	3	Abhishek verma	I	Dynamics of rigid bodies	M.I. and radius of gyration
22-08-2016		Maneeta / Amit		CLASS TEACHING	
23-08-2016	6	Maneeta Singh	III	Magnetostatics	Electromagnetic induction, induced electric field
24-08-2016	7	Maneeta Singh	III	Magnetostatics	Faraday's law, mutual induction
26-08-2016	5	Maneeta Singh	II	Free Oscillation	Addition of S.H.M.
27-08-2016	1	Abhishek verma	II	Oscillation of coupled system	Vibration of string
29-08-2016	4	Abhishek verma	III	Dynamics of rigid bodies	Theorem of parallel axes
30-08-2016				MONTHLY EVALUATION	
01-09-2016	8	Maneeta Singh	III	Magnetostatics	Integral and differential form of Faraday's law
02-09-2016	9	Maneeta Singh	III	Magnetostatics	Series and parallel combination of induction
03-09-2016	6	Maneeta Singh	II	Free Oscillation	Lissajous figure
05-09-2016	2	Abhishek verma	II	Oscillation of coupled system	Vibration of rectangular membrane
06-09-2016	5	Abhishek verma	III	Dynamics of rigid bodies	The perpendicular axes
07-09-2016		Abhishek verma		CLASS TEACHING	
08-09-2016	10	Maneeta Singh	III	Magnetostatics	Coupled circuits
09-09-2016	11	Maneeta Singh	III	Magnetostatics	Ideal transformer

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10-09-2016	7	Maneeta Singh	II	Free Oscillation	Lissajous figures with frequency ratio 1:1 and 2:1
14-09-2016	3	Abhishek verma	II	Oscillation of coupled system	Forced oscillation of coupled system
15-09-2016	6	Abhishek verma	I	Dynamics of rigid bodies	M.I. of Ring and disc
16-09-2016		Abhishek verma		CLASS TEACHING	
20-09-2016	12	Maneeta Singh	III	Electromagnetic waves	Maxwell's equations
21-09-2016	13	Maneeta Singh	III	Electromagnetic waves	E.M. waves in vacuum, E.M. Field energy density
22-09-2016	8	Maneeta Singh	II	Damped harmonic oscillation	Mechanical and electrical system
23-09-2016	4	Abhishek verma	II	Wave motion	Wave motion
24-09-2016	7	Abhishek verma	I	Dynamics of rigid bodies	M.I. of Rectangular beam
26-09-2016		Maneeta / Abhishek		MONTHLY EVALUATION	
27-09-2016	14	Maneeta Singh	III	Electromagnetic waves	Displacement current, poynting vector
28-09-2016	15	Maneeta Singh	III	A.C. Bridge	Introduction, J-operator
29-09-2016	9	Maneeta Singh	II	Damped harmonic oscillation	Lagorithmic decrement, relaxation time, LCR circuit
03-10-2016	5	Abhishek verma	II	Wave motion	Parameters of wave motion
04-10-2016	8	Abhishek verma	I	Dynamics of rigid bodies	Hollow and solid cylinders
05-10-2016		Abhishek verma		CLASS TEACHING	
06-10-2016	16	Maneeta Singh	III	A.C. Bridge	Anderson's Bridge
07-10-2016	17	Maneeta Singh	III	A.C. Bridge	Schering, Robinson's Bridge
08-10-2016	10	Maneeta Singh	II	Damped harmonic oscillation	Moving coil galvanometer
14-10-2016	6	Abhishek verma	II	Wave motion	Stationary waves
15-10-2016	9	Abhishek verma	I	Dynamics of rigid bodies	Spherical shell
17-10-2016				CLASS TEACHING	
18-10-2016	18	Maneeta Singh	III	A.C. Bridge	Wein's bridge
19-10-2016	19	Maneeta Singh	III	Network analysis	T and π networks
20-10-2016	11	Maneeta Singh	II	Forced oscillation	Forced oscillation of mechanical system
21-10-2016	7	Abhishek verma	II	Wave motion	Wave velocity and group velocity
22-10-2016	10	Abhishek verma	I	Dynamics of rigid bodies	Solid and hollow spheres
24-10-2016		Maneeta/AMIT		EVALUATION	
25-10-2016	20	Maneeta Singh	III	Network Analysis	Equivalence of T and π network
26-10-2016	21	Maneeta Singh	III	Network Analysis	Thevenin's theorems

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02-11-2016	12	Maneeta Singh	II	Forced oscillation	Forced oscillation of electrical system
03-11-2016	13	Abhishek verma	II	Ultrasonic	Production
04-11-2016	11	Abhishek verma	I	Dynamics of rigid bodies	M.I. of Fly wheel
05-11-2016				CLASS TEACHING	
08-11-2016	22	Maneeta Singh	III	Network Analysis	Norton's Theorem
09-11-2016	23	Maneeta Singh	III	Network Analysis	Maximum Power Transfer Theorem
10-11-2016	14	Maneeta Singh	II	Forced oscillation	Sharpness of reasonance
11-11-2016	8	Abhishek verma	II	Ultrasonic	Properties of Ultrasonic wave
12-11-2016	12	Abhishek verma	I	Dynamics of rigid bodies	Compound pendulum
15-11-2016				CLASS TEACHING	
17-11-2016	24	Maneeta Singh	III	Network Analysis	Low Pass Filters
18-11-2016	25	Maneeta Singh	III	Network Analysis	High Pass Filters
19-11-2016	15	Maneeta Singh	II	Forced oscillation	Quality Factor (Q)
21-11-2016	9	Abhishek verma	II	Ultrasonic	Uses of Ultrasonic Wave
22-11-2016	13	Abhishek verma	I	Elasticity	Elastic Constant and their mutual relations
23-11-2016		Maneeta /Amit		MONTHLY EVALUATION	
25-11-2016	26	Maneeta Singh	III	Electrostatics	Field due to charge distribution
26-11-2016	27	Maneeta Singh	III	Electrostatics	Electric field due to uniform distribution of line charge
28-11-2016	16	Maneeta Singh	II	Forced oscillation	Electrical Impdance
29-11-2016	10	Abhishek verma	II	Ultrasonic	Acoustic Grating
30-11-2016	14	Abhishek verma	I	Elasticity	Theory of Bending of beam
01-12-2016		Abhishek verma		CLASS TEACHING	
02-12-2016	28	Maneeta Singh	III	Electrostatics	Sheet charge and spherical charge
03-12-2016	29	Maneeta Singh	III	Electrostatics	Gauss's Law and its application
06-12-2016	17	Maneeta Singh	II	Forced oscillation	LCR series resonance
07-12-2016	11	Abhishek verma	II	Acousties	The Acoustics of Halls
08-12-2016	15	Abhishek verma	I	Elasticity	Torsion of Cylinder
09-12-2016		Abhishek verma		CLASS TEACHING	
12-12-2016	30	Maneeta Singh	III	Electrostatics	Multiple expansion,
14-12-2016	18	Maneeta Singh	II	Forced Oscillation	LCR Parellel Resonance

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15-12-2016	12	Abhishek verma	II	Acoustics	Reverberation of Time
16-12-2016	16	Abhishek verma	I	Properties of liquids	Stream line motion, Reynold number
17-12-2016	17	Abhishek verma	I	Properties of liquids	Poiseuille's Equation
19-12-2016		Maneeta Singh		CLASS TEACHING	
20-12-2016	31	Maneeta Singh	III	Electrostatics	Electrostatic field energy, method of images
21-12-2016	19	Maneeta Singh	II	Fourier Analysis	Fourier Theorem, Evaluation of Fourier coefficient
22-12-2016	13	AMIT KUMAR	II	Acoustics	Sabine's Formula
24-12-2016	18	Abhishek verma	I	Properties of liquids	Surface Tension
26-12-2016	19	Abhishek verma	I	Properties of liquids	Molecular interpretation of surface tension
27-12-2017		Abhishek verma		MONTHLY EVALUATION	
28-12-2017	32	Maneeta Singh	III	Electric field inside matter	Dielectrics, Parallel Plate Capacitor, Polarization
29-12-2017	20	Maneeta Singh	II	Fourier Analysis	Analysis of Square wave
30-12-2017	20	Abhishek verma	I	Properties of liquids	Pressure over curved surfaces
31-12-2017	21	Abhishek verma	I	Properties of liquids	Capillarity, Jager's Method
02-01-2017	22	Abhishek verma	I	Central Forces	Inverse square law Potential field due to Spherical
					shell/ sphere
03-01-2017		Maneeta Singh		CLASS TEACHING	
04-01-2017	33	Maneeta Singh	III	Electric field inside matter	Polarization, Displacement vector D
06-01-2017	21	Maneeta Singh	II	Fourier Analysis	Analysis of Sawtooth wave, Full wave rectifier
07-01-2017	23	Abhishek verma	I	Central Forces	Gravitational Sat energy, Two body problem and
					reduced mass
09-01-2017	24	Abhishek verma	I	Central Forces	Kepler's Law, motion of satellite
10-01-2017	25	Abhishek verma	I	Central Forces/ Newtonian	Geostationary satellite, inertial/non inertial frames of
				Mechanics	reference
11-01-2017		Maneeta Singh		CLASS TEACHING	
12-01-2017	26	Abhishek verma	I	Newtonian Mechanics	non-inertial frames of reference
13-01-2017	27	Abhishek verma	I	Newtonian Mechanics	Galilean transformation velocity, acceleration,
					Coriolis force
16-01-2017	28	Abhishek verma	I	Special theory of Relativity	Michelson-Morley experiment, addition of velocity
17-01-2017	29	Abhishek verma	I	Special theory of relativity	Lorentz transformation, length contraction

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18-01-2017	30	Abhishek verma	I	Relativistic Dynamics	Relativistic momentum, Variation of mass with
					velocity
19-01-2017		Maneeta Singh		CLASS TEACHING	
20-01-2017	31	Abhishek verma	I	Relativistic Dynamics	Mass Energy Equivalence, Relativistic energy.d
21-01-2017	14	Abhishek verma	II	Accoustics	Question paper solving
23-01-2017	15	Abhishek verma	II	Fourier Analysis	Question paper solving
24-01-2017	16	Abhishek verma	II	Fourier Analysis	Question paper Solving
25-01-2017	17	Abhishek verma	II	REVISION	REVISION
27-01-2017	18	Maneeta singh	III	REVISION	REVISION
28-01-2017	34	Maneeta singh	III	REVISION	REVISION
30-01-2017	35	Maneeta singh	III	REVISION	REVISION
31-01-2017	36	Maneeta singh	III	REVISION	REVISION