

कक्षा : बी.एस.सी. भाग-प्रथम					विषय : भौतिक विज्ञान
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
01.08.2012	1.	Santosh Kumar	I	Introduction and List of Books	Introduction and List of Books
03.08.2012	2.	Santosh Kumar	I	Dynamics of Rigid Bodies	Equation of Motion of Rigid Body
04.08.2012	1.	Santosh Kumar	II	Introduction and List of Books	Introduction and List of Books
06.08.2012	1.	Maneeta Singh	II	Free Oscillation	Free Oscillation
07.08.2012	1.	Maneeta Singh	III	Introduction and List of Books	Introduction and List of Books
08.08.2012				CLASSTEACHING	
09.08.2012	3.	Santosh Kumar	I	Dynamics of Rigid Bodies	M.I. And Radius of Gyration
11.08.2012	4.	Santosh Kumar	I	Dynamics of Rigid Bodies	Theorem of Parallel and Perpendicular Axes
13.08.2012	2.	Santosh Kumar	II	Oscillation of Coupled System	Normal Modes of Vibration of Mechanical with Degree
14.08.2012	2.	Maneeta Singh	II	Free Oscillation	Differential Equation of SHM and Its Solution
18.08.2012	2.	Maneeta Singh	III	Electrostatics	Field Due to a Charge Distribution
20.08.2012				CLASSTEACHING	

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21.08.2012	5.	Santosh Kumar	I	Dynamics of Rigid Bodies	M. I. of Ring, Disc, Rectangular Beam
22.08.2012	6.	Santosh Kumar	I	Dynamics of Rigid Bodies	Hollow and Solid Cylinders
23.08.2012	3.	Santosh Kumar	II	Oscillation of Coupled System	Normal Modes of Vibration of Electrical System with Degree
24.08.2012	3.	Maneeta Singh	II	Free Oscillation	Example of Mechanical and Electrical System
25.08.2012	3.	Maneeta Singh	III	Electrostatics	Electric Field Due to Uniform Distribution of Line Charge
27.08.2012				EVALUATION	
28.08.2012	7.	Santosh Kumar	I	Dynamics of Rigid Bodies	Spherical Shell, Solid and Hollow Spheres
29.08.2012	8.	Santosh Kumar	I	Dynamics of Rigid Bodies	M.I. of Fly Wheel
30.08.2012	4.	Santosh Kumar	II	Oscillation of Coupled System	Vibration of String
01.09.2012	4.	Maneeta Singh	II	Free Oscillation	Addition of S.H.M.
03.09.2012	4.	Maneeta Singh	III	Electrostatics	Sheet Charge and Spherical Charge
04.09.2012				CLASSTEACHING	
05.09.2012	9.	Santosh Kumar	I	Dynamics of Rigid Bodies	Compound Pendulum
06.09.2012	10.	Santosh Kumar	I	Elasticity	Elastic Constant and Their Mutual Relations

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07.09.2012	5.	Santosh Kumar	II	Oscillation of Coupled System	Vibration of Rectangular Membrane
08.09.2012	5.	Maneeta Singh	II	Free Oscillation	Lissajous Figure
10.09.2012	5.	Maneeta Singh	III	Electrostatics	Gauss's Law and Its Application
11.09.2012				CLASS TEACHING	
12.09.2012	11.	Santosh Kumar	I	Elasticity	Theory of Bending of Beam
13.09.2012	12.	Santosh Kumar	I	Elasticity	Torsion of Cylinder
14.09.2012	6.	Santosh Kumar	II	Oscillation of Coupled System	Forced Oscillation of Coupled System
15.09.2012	6.	Maneeta Singh	II	Free Oscillation	Lissajous Figure With Frequency Ratio 1:1 and 2:1
18.09.2012	6.	Maneeta Singh	III	Electrostatics	Multipole Expansion, Electrostatic Pressure
19.09.2012				CLASS TEACHING	
20.09.2012	13.	Santosh Kumar	I	Properties of Liquids	Stream Line Motion, Reynold Number
21.09.2012	14.	Santosh Kumar	I	Properties of Liquids	Poiseuille's Equation
22.09.2012	7.	Santosh Kumar	II	Oscillation of Coupled System	Forced Oscillation of Coupled System
24.09.2012	7.	Maneeta Singh	II	Free Oscillation	Lissajous Figure With Frequency Ratio 2:1
25.09.2012	7.	Maneeta Singh	III	Electrostatics	Electrostatic Field Energy, Method of images

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26.09.2012				EVALUATION	
27.09.2012	15.	Santosh Kumar	I	Properties of Liquids	Surface Tension
01.10.2012	16.	Santosh Kumar	I	Properties of Liquids	Surface Tension
04.10.2012	8.	Santosh Kumar	II	Wave Motion	Wave Motion and its Parameters
05.10.2012	8.	Maneeta Singh	II	Damped harmonic Oscillation	Mechanical and Electrical System
06.10.2012	8.	Maneeta Singh	III	Electric Field Inside Matter	Dielectrics, Parallel Plate Capacitor
08.10.2012				CLASS TEACHING	
11.10.2012	17.	Santosh Kumar	I	Properties of Liquids	Molecular Interpretation of Surface Tension
12.10.2012	9.	Santosh Kumar	II	Wave Motion	Stationary Waves
13.10.2012	9.	Maneeta Singh	II	Damped Harmonic	Logarithmic Decrement, Relaxation Time LCR Circuit
17.10.2012	9.	Maneeta Singh	III	Electric Field inside Matter	Polarization, Electronic, Ionic and Orientational Polarization
18.10.2012	10.	Maneeta Singh	III	Electric Field inside Matter	Polarisability
19.10.2012	18.	Santosh Kumar	I	Properties of Liquids	Pressure Over Curved Surfaces

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20.10.2012				EVALUATION	
29.10.2012	10.	Santosh Kumar	II	Wave Motion	Wave Velocity and Group Velocity
30.10.2012	10.	Maneeta Singh	II	Damped Harmonic Oscillation	Moving Coil Galvanometer
31.10.2012	11.	Maneeta Singh	III	Electric Field inside Matter	Polarization $\vec{P}$, Displacement Vector
01.11.2012	12.	Maneeta Singh	III	Electric Field Inside Matter	Electric Susceptibility, Clausius-Mossotti Equation
02.11.2012	19.	Santosh Kumar	I	Properties of Liquids	Capillarity
03.11.2012				CLASSTEACHING	
05.11.2012	11.	Santosh Kumar	II	Ultrasonic	Production
06.11.2012	11.	Maneeta Singh	II	Damped Harmonic Oscillation	Moving Coil Galvanometer
07.11.2012	13.	Maneeta Singh	III	Magnetostatics	Biot-Savari's Law, Ampere's Law
08.11.2012	14.	Maneeta Singh	III	Magneto Statics	Magnetic Field Due to A Straight Wire
09.11.2012	20.	Santosh Kumar	I	Properties of Liquids	Jager's Method
16.11.2012				CLASSTEACHING	

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17.11.2012	12.	Santosh Kumar	II	Ultrasonic	Properties of Ultrasonic Wave
19.11.2012	12.	Maneeta Singh	II	Forced Oscillation	Forced Oscillation of Mechanical System
20.11.2012	15.	Maneeta Singh	III	Magneto Statics	Magnetic Field Due to Circular Coil, Helmholtz's Coils
21.11.2012	16.	Maneeta Singh	III	Magneto Statics	Magnetic Field Due To Solenoid, Toroid
22.11.2012	21.	Santosh Kumar	I	Central Forces	Inverse Square Law
23.11.2012				EVALUATION	
26.11.2012	13.	Santosh Kumar	II	Ultrasonic	Uses of Ultrasonic Wave
27.11.2012	13.	Maneeta Singh	II	Forced Oscillation	Forced Oscillation of Electrical System
29.11.2012	17.	Maneeta Singh	III	Magnetostatics	Lorentz force, Magnetisation, Magnetisation Current
30.11.2012	18.	Maneeta Singh	III	Magneto Statics	Magnetic Permeability and Susceptibility
01.12.2012	22.	Santosh Kumar	I	Central Forces	Potential and Field Due To (i) Spherical Shell (ii) Sphere
03.12.2012				CLASSTEACHING	

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07.12.2012	14.	Santosh Kumar	II	Ultra Sonic	Acoustic Grating
08.12.2012	14.	Maneeta Singh	II	Forced Oscillation	Transient and Steady State Behaviour
11.12.2012	19.	Maneeta Singh	III	Magneto Statics	Electro Magnetic Induction, Induced Electric Field
12.12.2012	20.	Maneeta Singh	III	Magneto Statics	Faraday's Law, Mutual Induction
13.12.2012	23.	Santosh K Umar	I	Central Forces	Gravitational Self Energy
14.12.2012				CLASS TEACHING	
15.12.2012	15.	Santosh Kumar	II	Fourier Analysis	Fourier Theorem
17.12.2012	15.	Maneeta Singh	II	Forced Oscillation	Sharpness of Resonance
18.12.2012	21.	Maneeta Singh	III	Magneto Statics	Integral and Differential form of Faraday's Law
19.12.2012	22.	Maneeta Singh	III	Magneto Statics	Series and Parallel Combination of Inductors
20.12.2012	24.	Santosh Kumar	I	Central Forces	Two Body Problem and Reduced Mass
21.12.2012				EVALUATION	
22.12.2012	16.	Santosh Kumar	II	Fourier Analysis	Evaluation of Fourier Coefficient
24.12.2012	16.	Maneeta Singh	II	Force Oscillation	Quality Factor (Q)

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26.12.2012	23.	Maneeta Singh	III	Magneto Statics	Coupled Circuits
27.12.2012	24.	Maneeta Singh	III	Magneto Statics	Ideal Transformer
28.12.2012	25.	Santosh Kumar	I	Central Forces	Kepler's Law, Motion of A Satellites
29.12.2012	26.	Santosh Kumar	I	Central Forces	Geostationary Satellite
31.12.2012	17.	Santosh Kumar	II	Fourier Analysis	Analysis of Square Wave
01.01.2013				CLASS TEACHING	
02.01.2013	25.	Maneeta Singh	III	Electro Magnetic Waves	Maxwell's Equations
03.01.2013	26.	Maneeta Singh	III	Electro Magnetic Wave	E.M. Waves in Vacuum, EM Field Energy Density
04.01.2013	27.	Santosh Kumar	I	Newtonian Mechanics	Inertial and Noninertial Frame of References
07.01.2013	28.	Santosh Kumar	I	Newtonian Mechanics	Galilean Trans Formation, Velocity and Acceleration
08.01.2013	18.	Santosh Kumar	II	Fourier Analysis	Analysis of Sawtooth Wave
09.01.2013				CLASS TEACHING	
10.01.2013	27.	Maneeta Singh	III	Electro Magnetic Waves	Displacement Current
11.01.2013	28.	Maneeta Singh	III	Electro Magnetic Waves	Poynting Vector

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12.01.2013	29.	Santosh Kumar	I	Newtonian Mechanics	Rotating Coordinate System
16.01.2013	30.	Santosh Kumar	I	Newtonian Mechanics	Coriolis Force, Effect of Rotation of Earth on g
17.01.2013	19.	Santosh Kumar	II	Fourier Analysis	Analysis of Full Wave Rectifier
18.01.2013				CLASSTEACHING	
19.01.2013	29.	Maneeta Singh	III	A.C. Bridges	Introduction, J-Operator
21.01.2013	30.	Maneeta Singh	III	A.C. Bridges	Anderson Bridge
22.01.2013	31.	Santosh Kumar	I	Newtonian Mechanics	Foucault Pendulum
23.01.2013	32.	Santosh Kumar	I	Special Theory of Relativity	Michelson-Morley Experiment
24.01.2013	20..	Santosh Kumar	II	Fourier Analysis	Analysis of Full Wave Rectifier
25.01.2013				EVALUATION	
28.01.2013	31.	Maneeta Singh	III	A.C. Bridges	Schering Bridge
29.01.2013	32.	Maneeta Singh	III	A.C. Bridges	Robinson Bridge
30.01.2013	33.	Santosh Kumar	I	Special Theory of Relativity	Principle of Simultaneity
31.01.2013	34.	Santosh Kumar	I	Specia Theory of Relativity	Postulates of Special Theory of Relativity Lorentz Transformation

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*	17.	Maneeta Singh	III	Forced Oscillation	Electrical Impedence
*	18.	Maneeta Singh	II	Forced Oscillation	LCR Series Resonance
*	33.	Maneeta Singh	III	A.C. Bridges	Wein's Bridge
*	34.	Maneeta Singh	III	Network Analysis	Introduction, Tand Networks
*	35.	Santosh Kumar	I	Special Theory of Relativity	Length Contraction, Time Delation, Addition of Velocities
*	36.	Santosh Kumar	I	Special Theory of Relativity	Doppler's Effect, Abberation of Light
*	19.	Maneeta Singh	II	Forced Oscillation	LCR Parallel Resonance
*	20.	Maneeta Singh	II	Acoustics	The Acoustics of Halls
*	35.	Maneeta Singh	III	Network Analysis	Equivalence of Tand Network
*	36.	Maneeta Singh	III	Network Analysis	Thevenin's Theorems
*	37.	Santosh Kumar	I	Relativistic Dynamics	Relativistic Momentum, Variation of Mass With Velocity,
*	38.	Santosh Kumar	I	Relativistic Dynamics	Mass Energy Equivalence
*	21.	Maneeta Singh	II	Acoustics	The Acoustics of Halls

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*	22.	Maneeta Singh	II	Acoustics	Rebervation Time
*	37.	Maneeta Singh	III	Network Analysis	Norton's Theorems
*	38.	Maneeta Singh	III	Network Analysis	Maximum Power Transfer Theorem
*	39.	Santosh Kumar	I	Relativistic Dynamics	Transformation of Momentum
*	40.	Santosh Kumar	I	Relatiistic Dynamics	Transformation of Energy
*	23.	Maneeta Singh	II	Acoustics	Sabnine's Formula
*	41.	Santosh Kumar	I	Relativistic Dynamics	Relativistic Energy
*	39.	Maneeta Singh	III	Network Analysis	Low Pass Filters
*	40.	Maneeta Singh	III	Network Analysis	High Pass Filters
*	42.	Santosh Kumar	I	Syllabus	Topic & Questions
*	43.	Santosh Kumar	I	Syllabus	Topic & Questions
*	44.	Santosh Kumar	I	Syllabus	Topic & Questions
* 26 Classes Extra					