

कक्षा : बी.एस.सी. भाग-द्वितीय					विषय : भौतिक विज्ञान
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16.07.2012	1.	Maneeta Singh	III	Introduction and List of Book	Introduction and List of Book
17.07.2012	2.	Maneeta Singh	III	Basic Semiconductor Physics	Energy Band Theory and Energy Band Pictures of Semiconductor
18.07.2012	1.	Maneeta Singh	II	Introduction and List of Book	Syllabus
19.07.2012	1.	Santosh Kumar	II	Introduction and List of Book	Syllabus
20.07.2012	1.	Santosh Kumar	I	Introduction and List of Book	Introduction and List of Book
21.07.2012				CLASS TEACHING	
23.07.2012	3.	Maneeta Singh	III	Basic Semiconductor Physics	Electron Hole Densities
25.07.2012	4.	Maneeta Singh	III	Basic Semiconductor Physics	Electrical Conductivity of Intrinsic Semiconductor
26.07.2012	2.	Maneeta Singh	II	Interference of Light	Super Position principle & Young's Double Slit
27.07.2012	2.	Santosh Kumar	II	Polarisation	Circularly and Elliptically Polarised Light
28.07.2012	2.	Santosh Kumar	I	Kinetic Theory of Gases	Maxwell's Law of Distribution of Molecular Speed
30.07.2012				CLASS TEACHING	
31.07.2012	5.	Maneeta Singh	III	Basic Semiconductor Physics	Electrical Conductivity of Extrinsic Semiconductor

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01.08.2012	6.	Maneeta Singh	III	Basic Semiconductor Physics	Minority and Majority Charge Carriers
03.08.2012	3.	Maneeta Singh	II	Interference	Young's Double Slit
04.08.2012	3.	Santosh Kumar	II	Polarisation	Circularly & Elliptically polarised light
06.08.2012	3.	Santosh Kumar	I	Kinetic Theory of Gases	Maxwell's Law of Distribution of Molecular Speed
07.08.2012				CLASS TEACHING	
08.08.2012	7.	Maneeta Singh	III	Basic Semiconductor Physics	Drift and Diffusion Currents
09.08.2012	8.	Maneeta Singh	III	Basic Semiconductor Physics	Continuity Equation
11.08.2012	4.	Maneeta Singh	II	Interference	Coherence
13.08.2012	4.	Santosh Kumar	II	Polarisation	Brewster's Law, Law of Malus
14.08.2012	4.	Santosh Kumar	I	Kinetic Theory of Gases	Law of Equipartition of Energy
18.08.2012				CLASS TEACHING	
20.08.2012	9.	Maneeta Singh	III	P-N Junction	Built in Potential, Width and capacitance of Depletion Region
21.08.2012	10.	Maneeta Singh	III	P-N Junction	Current in Biased P-N Junction
22.08.2012	5.	Maneeta Singh	II	Interference	Coherence Fresnel Biprism

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23.08.2012	5.	Santosh Kumar	II	Polarisation	Double Refraction
24.08.2012	5.	Santosh Kumar	I	Kinetic Theory of Gases	Specific Heat of Ideal Gas
25.08.2012				EVALUATION	
27.08.2012	11.	Maneeta Singh	III	P-N Junction	Varactor Diode
28.08.2012	12.	Maneeta Singh	III	P-N Junction	Zener Break Down Mechanism
29.08.2012	6.	Maneeta Singh	II	Interference	Fringes of Equal Thickness
30.08.2012	6.	Santosh Kumar	II	Polarisation	Huygen's Theory of Double Refraction
01.09.2012	6.	Santosh Kumar	I	Kinetic Theory of Gases	Transport Phenomena
03.09.2012				CLASSTEACHING	
04.09.2012	13.	Maneeta Singh	III	P-N Junction	Zener Diode and its Characteristic
05.09.2012	14.	Maneeta Singh	III	P-N Junction	Photo Diode and Solar Cell
06.09.2012	7.	Maneeta Singh	II	Interference	Newton's Ring
07.09.2012	7.	Santosh Kumar	II	Polarisation	Nicol Prism, Double Image Prism
08.09.2012	7.	Santosh Kumar	I	Kinetic Theory of Gases	Mean Free Path, viscosity and Diffusion
10.09.2012				CLASSTEACHING	

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11.09.2012	15.	Maneeta Singh	III	Transistors	p-n-p and n-p-n Transistors, Current Flow in Transistor
12.09.2012	16.	Maneeta Singh	III	Transistors	Potential Divider Biasing of Transistors
13.09.2012	8.	Maneeta Singh	II	Interference	Newton's Ring
14.09.2012	8.	Santosh Singh	II	Polarisation	Optical Rotation
15.09.2012	8.	Santosh Singh	I	Equation of States	Andrew's Experiment
18.09.2012				CLASSTEACHING	
19.09.2012	17.	Maneeta Singh	III	Transistor	Characteristics of Three configuration CEC CBC, CCC
20.09.2012				CLASSTEACHING	
21.09.2012	9.	Maneeta Singh	II	Interference	Newton's Ring
22.09.2012	9.	Santosh Kumar	II	Polarisation	Polarimeters
24.09.2012	9.	Santosh Kumar	I	Equation of States	Specific Heat of Saturated Vapour
25.09.2012	10.	Santosh Kumar	I	Equation of States	Specific Heat of Saturated Vapour
26.09.2012	18.	Maneeta Singh	III	Transistor	Hybrid Parameters
27.09.2012				EVALUATION	

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01.10.2012	10.	Maneeta Singh	II	Interference	Michelson Interferometer
04.10.2012	10.	Santosh Kumar	II	Aberration in Images	Introduction, Chromatic Aberration
05.10.2012	11.	Santosh Kumar	I	Equation of States	Vander Waal's Equation of State
06.10.2012	12.	Santosh Kumar	I	Equation of States	Boyle's Temperature
08.10.2012	19.	Maneeta Singh	III	Transistors	Fet Operation and Characteristics
11.10.2012				CLASS TEACHING	
12.10.2012	11.	Maneeta Singh	II	Interference	Michelson-Interferometer
13.10.2012	11.	Santosh Kumar	II	Aberration in Images	MONOCHROMATIC Aberration
17.10.2012	13.	Santosh Kumar	I	Equation of States	Critical Constants.
18.10.2012	14.	Santosh Kumar	I	Thermodynamics and Entropy	Reversible and Irreversible Process
19.10.2012	20.	Maneeta Singh	III	Transistors	Mosfet Operation and Characteristics
20.10.2012				EVALUATION	
29.10.2012	12.	Maneeta Singh	II	Interference	Intensity Distribution in Multiple Beam
30.10.2012	12.	Santosh Kumar	II	Aberration in Images	Spherical Aberration
31.10.2012	15.	Santosh Kumar	I	Thermodynamics and Entropy	Carnot's Theorem

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01.11.2012	16.	Santosh Kumar	I	Thermodynamics and Entropy	Absolute Scale of Temperature
02.11.2012	21.	Maneeta Singh	III	Transistors	Parameters of Fet and Mosfet
03.11.2012				CLASS TEACHING	
05.11.2012	13.	Maneeta Singh	II	Interference	Fabry-Perot Interferometer
06.11.2012	13.	Santosh Kumar	II	Aberration in Images	Achromatic combination of Lenses
07.11.2012	17.	Santosh Kumar	I	Thermodynamics and Entropy	Second Law of Thermodynamics
08.11.2012	18.	Santosh Kumar	I	Thermodynamics and Entropy	Entropy and its physical Significance
09.11.2012	22.	Maneeta Singh	III	Digital Electronics	Decimal and Binary Number System and Their Conversion
16.11.2012				CLASS TEACHING	
17.11.2012	14.	Maneeta Singh	II	Interference	Fabry-Perot Interferometer
19.11.2012	14.	Santosh Singh	II	Aberration in Images	Schmidt Corrector Plates
20.11.2012	19.	Santosh Singh	I	Thermodynamics and Entropy	Entropy of Simple Reversible and Irreversible Process

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21.11.2012	20.	Santosh Kumar	I	Maxwell Thermo-Dynamical Relations	Maxwell Thermodynamical Relations and Its Applications
22.11.2012	23.	Maneeta Singh	III	Digital Electronics	Boolean Algebra
23.11.2012				EVALUATION	
26.11.2012	15.	Maneeta Singh	II	Interference	Tolansky Fringes
27.11.2012	15.	Santosh Kumar	II	Aberration in Images	Oil Immersion Objective
29.11.2012	21.	Santosh Kumar	I	Maxwell Thermo-Dynamical Relations	Clausius-Calpeyron Equation
30.11.2012	22.	Santosh Kumar	I	Maxwell Thermo-Dynamical Relations	Tds Equations
01.12.2012	24.	Maneeta Singh	III	Digital Electronics	Demorgen's Theorem
03.12.2012				EVALUATION	
07.12.2012	16.	Maneeta Singh	II	Diffraction	Zone's Plate
08.12.2012	16.	Santosh Kumar	II	Optical Instruments	Entrance and Exit Pupils

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11.12.2012	23.	Santosh Kumar	I	Maxwell Thermo-Dynamical Relations	Joule-Thomson Effect
12.12.2012	24.	Santosh Kumar	I	Maxwell Thermo-Dynamical Relations	Internal Energy Equation
13.12.2012	25.	Maneeta Singh	III	Digital Electronics	Logic Gates, AND, OR Gates
14.12.2012	26.	Maneeta Singh	III	Digital Electronics	NOT, NAND, NOR, Gates
15.12.2012	17.	Maneeta Singh	II	Fresnel Diffraction	Circular Aperture
17.12.2012				CLASS TEACHING	
18.12.2012	25.	Santosh Kumar	I	Maxwell Thermodynamical Relations	Specific Heat Equations
19.12.2012	26.	Santosh Kumar	I	Maxwell Thermo-Dynamical Relations	Magneto-Caloric Effect Reversible Electrolytic Cell
20.12.2012	27.	Maneeta Singh	III	Digital Electronics	XOR and XNOR Gates
21.12.2012	28.	Maneeta Singh	III	Digital Electronics	Universality of Nor and Nand Gates
22.12.2012	18.	Maneeta Singh	II	Fresnel Diffraction	Straight Edge

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24.12.2012				EVALUATION	
26.12.2012	27.	Santosh Kumar	I	Conduction	Rectilinear flow of Heat
27.12.2012	28.	Santosh Kumar	I	Conduction	Acceleration of Ice at the Surface of Ponds
28.12.2012	29.	Maneeta Singh	III	Modulation and Demodulation	Definition of Three Kinds of Modulation
29.12.2012	30.	Maneeta Singh	II	Modulation and Demodulation	Expression for am Waves
31.12.2012	19.	Maneeta Singh	II	Diffraction	Rectilinear Propagation
01.01.2013				CLASS TEACHING	
02.01.2013	29.	Santosh Kumar	I	Conduction	Conductivity of Bad Conductors
03.01.2013	30.	Santosh Kumar	I	Radiation	Black Body Radiations
04.01.2013	31.	Maneeta Singh	III	Modulation and Demodulation	Expression For Fm Waves
07.01.2013	32.	Maneeta Singh	III	Modulation and Demodulation	Expression for Pm Waves
08.01.2013	20.	Maneeta Singh	II	Fraun Hoffer Diffraction	Diffraction Due to One Slit
09.01.2013				Class Teaching	
10.01.2013	31.	Santosh Kumar	I	Radiation	Krichoff's and Its Application

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11.01.2013	32.	Santosh Kumar	I	Radiation	Pressure and Energy Density, Stefan-Boltzmann's law.
12.01.2013	33.	Maneeta Singh	III	Modulation and Demodulation	Vander-Brijl Modulator
16.01.2013	34.	Maneeta Singh	III	Modulation and Demodulation	Linear Diode Detector
17.01.2013	21.	Maneeta Singh	II	Praunhoffer Diffraction	Circular Aperture and Disk
18.01.2013				CLASS TEACHING	
19.01.2013	33.	Santosh Kumar	I	Radiations	Spectral Distribution, Solar Constant
21.01.2013	34.	Santosh Kumar	I	Radiations	Wien's Law, Rayleigh-jean's law
22.01.2013	35.	Maneeta Singh	III	Radio Transmitter and Receiver	Super Heterodyne Radio Receiver
23.01.2013	36.	Maneeta Singh	III	Radio Transmitter and Receiver	Qualities of Radio Receiver
24.01.2013	22.	Maneeta Singh	II	F.H. Diffraction	Resolution, Rayleigh Criteria
25.01.2013				EVALUATION	
28.01.2013	17.	Santosh Kumar	II	Optical Instruments	Multiple Lens Eyepiece

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29.01.2013	35.	Santosh Kumar	I	Radiations	Planck's Hypothesis and its application
30.01.2013	36.	Santosh Kumar	I	Cryogenics	Refrigeration, Porus- Plug Experiment
31.01.2013	37.	Maneeta Singh	III	Radio Transmitter & Receiver	Standard Broadcast Radio Receiver
*	38.	Maneeta Singh	III	Radio Transmitter & Receiver	Image Frequency, AVC, Tuning
*	23.	Maneeta Singh	II	F.H. Diffraction	Resolving Power of Human Eye
*	18.	Santosh Kumar	II	Optical Instruments	Huygens Eyepiece
*	37.	Santosh Kumar	I	Cryogenics	Liquefaction of Air, Hydrogen and Helium, Solidification of Helium
*	38.	Santosh Kumar	I	Cryogenics	Adiabatic, Demagnetisation of Paramagnetic Salt
*	39.	Maneeta Singh	II	Amplifiers and Oscillator	Small Signal Hybrid Equivalent Circuit of BJT
*	40.	Maneeta Singh	III	Amplifiers and Oscillator	RC Coupled CE Amplifier And Its Frequency and Phase Response
*	24.	Maneeta Singh	II	F.H. Diffraction	R.P. of Telescope & Microscope
*	19.	Santosh Kumar	II	Optical Instruments	Ramsden Eyepiece
*	20.	Santosh Kumar	II	General Theory of Image	Principal Points and Principal Plane

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*				Formation	
*	21	Santosh Kumar	II	General Theory of Image Formation	Nodal Points
*	41.	Maneeta Singh	III	Amplifiers and Oscillator	Amplifier Circuit Using FET
*	42.	Maneeta Singh	III	Amplifiers and Oscillator	Oscillator and Barkhausen Criteria
*	25.	Maneeta Singh	II	F.N. Diffraction	Resolving Power of Grating and Prism
*	26.	Maneeta Singh	II	Diffraction Grating	Diffraction Due to Two Slits
*	22.	Santosh Kumar	II	General Theory of Images Formation	Thick Lense and Lense Combination
*	23.	Santosh Kumar	II	General Theory of Images Formation	Tele Photo Lenses
*	43.	Maneeta Singh	III	Amplifiers and oscillator	LC Tuned Collector Oscillator
*	44.	Maneeta Singh	III	Amplifiers and oscillator	Hartley Oscillator
*	27.	Maneeta Singh	II	Diffraction Grating	Diffraction At N-Parallel Slits
*	28.	Maneeta Singh	II	Diffraction Grating	Plane Diffraction Grating

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*	29.	Maneeta Singh	II	Diffraction Grating	Concave Grating
*	27.	Santosh Kumar	II	Fermat's Principle	Principle of Extremum Path
*	28.	Santosh Kumar	II	Fermat's Principle	Aplantic Points of a Sphere and Applications
*	45.	Maneeta Singh	III	Amplifiers and Oscillator	Colpitts Transistor Oscillator.
* 26 Extra Classes					