

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

कक्षा : बी.एस-सी. भाग-दो			पाठ्यक्रम योजना : सत्र २०१५-२०१६		विषय : भौतिकी
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
16.07.2016	1	Maneeta Singh	III	Introduction	List of book
18.07.2016	1	Abhishek verma	II	Introduction	List of book
19.07.2016	1	Abhishek verma	I	Kinetic theory of gases	Maxwell law of distribution of molecular speeds
20.07.2016		Maneeta Singh		Class Teaching	
21.07.2016	2	Maneeta Singh	III	Basic semiconductor	Energy band theory and energy band pictures
				physics	of semiconductors
22.07.2016	1	Maneeta Singh	II	Interference of light	Superposition principle & young's double slit experiment
23.07.2016	2	Abhishek verma	II	Polarisation	Circularly and elliptically polarised light
25.07.2016	2	Abhishek verma	I	Kinetic theory of gases	Law of equipartition of energy
26.07.2016	3	Abhishek verma	I	Kinetic theory of gases	Specific heat of ideal gas
27.07.2016		Maneeta Singh		Class Teaching	
28.07.2016	3	Maneeta Singh	III	Basic semiconductor	Electron hole densities
				physics	
29.07.2016	2	Maneeta Singh	II	Interference	Young's double slit
30.07.2016	3	Abhishek verma	II	Polarisation	Brewster's law, law of malus
01.08.2016	4	Abhishek verma	I	Kinetic theory of gases	Transport phenomenon
02.08.2016	5	Abhishek verma.	I	Kinetic theory of gases	Mean free path
03.08.2016		Maneeta Singh		Class Teaching	
04.08.2016	4	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of intrinsic semiconductor
05.08.2016	3	Maneeta Singh	II	Interference	Coherence
08.08.2016	4	Abhishek verma	II	Polarisation	Double refraction
09.08.2016	6	Abhishek verma	I	Kinetic theory of gases	Viscosity and diffusion
10.08.2016	7	Abhishek verma	I	Equation of states	Andrew's experiment
11.08.2016		Maneeta Singh		Class Teaching	
12.08.2016	5	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of extrinsic semiconductor
13.08.2016	4	Maneeta Singh	II	Interference	Fresnel Biprism
16.08.2016	5	ABHISHEK VERMA.	II	Polarisation	Huygen's theory of double refraction
17.08.2016	9	ABHISHEK VERMA.	I	Equation of states	Specific heat of saturated vapour
19.08.2016	9	ABHISHEK VERMA.	I	Equation of states	Vanderwalls equation of state

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20.08.2016		Maneeta Singh		Class Teaching	
22.08.2016	6	Maneeta Singh	III	Basic semiconductor for physics	Minority and majority charge carriers
23.08.2016	5	Maneeta Singh	II	Interference	Fringes of equal thickness
24.08.2016	6	ABHISHEK VERMA.	II	Polarisation	Nicol Prism, Double Image prism
26.08.2016	10	ABHISHEK VERMA.	I	Equation of states	Boyle's temperature
27.08.2016	11	ABHISHEK VERMA.	I	Equation of states	Critical constants
29.08.2016		Maneeta Singh		Monthly evaluation	
30.08.2016	7	Maneeta Singh	III	Basic semiconductor physics	Drift and diffusion currents continuity equation
01.09.2016	6	Maneeta Singh	II	Interference	Newton's ring
02.09.2016	7	ABHISHEK VERMA.	II	Polarisation	Optical rotation
03.09.2016	12	ABHISHEK VERMA.	I	Thermodynamics and entropy	Reversible and irreversible process
05.09.2016	13	ABHISHEK VERMA.	I	Thermodynamics and entropy	Carnot's theorem
06.09.2016		Maneeta Singh		Class Teaching	
07.09.2016	8	Maneeta Singh	II	Digital electronics	Decimal and binary numbers systems and their
08.09.2016	7	Maneeta Singh	II	Interference	conversion Michelson interferometer
09.09.2016	8	ABHISHEK VERMA.	II	Polarisation	Polarimeter
10.09.2016	14	ABHISHEK VERMA.	I	Thermodynamics & entropy	Absolute scales of temperature
14.09.2016	15	ABHISHEK VERMA.	I	Thermodynamics & entropy	Second law of thermodynamics
15.09.2016		Maneeta Singh		Class Teaching	
16.09.2016	9	Maneeta Singh	III	Digital electronics	Boolean Algebra
20.09.2016	8	Maneeta Singh	II	Interference	Uses of Michelson interferometer
21.09.2016	9	ABHISHEK VERMA.	II	Aberration in images	Introduction, chromatic aberration
22.09.2016	16	ABHISHEK VERMA.	I	Thermodynamics & entropy	Entropy and its physical significance
23.09.2016	17	ABHISHEK VERMA.	I	Thermodynamics & entropy	Entropy of simple reversible process
24.09.2016		Maneeta/Amit		Monthly Evaluation	
26.09.2016	10	Maneeta Singh	III	Digital electronics	De Morgan's theorem, logic gates AND, OR Gates
27.09.2016	9	Maneeta Singh	II	Interference	Intensity distribution in multiple beam
28.09.2016	10	ABHISHEK VERMA.	II	Aberration in images	Monochromatic aberration
29.09.2016	18	ABHISHEK VERMA.	I	Thermodynamics & entropy	Entropy of irreversible process

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03.10.2016	19	ABHISHEK VERMA.	I	Maxwell theory of dynamic	Maxwell thermodynamical relations
04.10.2016		Maneeta Singh		relation Class Teaching	
05.10.2016	11	Maneeta Singh	III	Digital electronics	NOT, NAND, NOR, XNOR gates
06.10.2016	10	Maneeta Singh	II	Interference	Fabry-Perot Interferometer
07.10.2016	11	ABHISHEK VERMA.	II	Aberration in images	Spherical aberration
08.10.2016	20	ABHISHEK VERMA.	I	Maxwell thermodynamic	Application of Maxwell thermodynamical
14.10.2016	21	ABHISHEK VERMA.	I	relation Maxwell thermodynamical	relations Clausius - Clapeyron equation
15.10.2016		Maneeta/Abhishek		relation Class Teaching	
17.10.2016	12	Maneeta Singh	III	Digital electronics	Universality of NOR & NAND Gates
18.10.2016	11	Maneeta Singh	II	Interference	Tolansky fringes
19.10.2016	12	ABHISHEK VERMA.	II	Aberration in images	Achromatic combination of lenses
20.10.2016	22	ABHISHEK VERMA.	I	Maxwell thermodynamics	Tds equations
21.10.2016	23	ABHISHEK VERMA.	I	relations Maxwell thermodynamic	Joule-Thomson effect
22.10.2016		ABHISHEK VERMA.		relations Evaluation	
24.10.2016	13	Maneeta Singh	III	p-n junction	Built in potential, width & capacitance of
25.10.2016	12	Maneeta Singh	II	Fresnel diffraction	depletion region Zone's plate
26.10.2016	13	ABHISHEK VERMA.	II	Aberration in images	Schmidt corrector and immersion objective
02.11.2016	24	ABHISHEK VERMA.	I	Maxwell thermodynamical	Internal energy equation
03.11.2016	25	ABHISHEK VERMA.	I	relations Maxwell thermodynamical	Specific heat equations
04.11.2016		ABHISHEK VERMA.		relations Class Teaching	
05.11.2016	14	Maneeta Singh	III	p-N junction	Current in biased p-n junction
08.11.2016	13	Maneeta Singh	II	Fresnel Diffraction	Circular aperture

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09.11.2016	14	ABHISHEK VERMA.	II	Optical instruments	Entrance and exit pupils
10.11.2016	26	ABHISHEK VERMA.	I	Maxwell thermodynamical	Magneto-caloric effect, reversible electrolytic
				relations	cell
11.11.2016	27	ABHISHEK VERMA.	I	Coduction	Recatilinear flow of heat
12.11.2016		ABHISHEK VERMA.		Class Teaching	
15.11.2016	15	Maneeta Singh	III	p-n junction	Varaetor diode, zoner diode and its characteritics
17.11.2016	14	Maneeta Singh	II	Fresnel diffraction	Straight edge, reatillinear propogation
18.11.2016	15	ABHISHEK VERMA.	II	Optical instruments	Multiple lens eyepiece
19.11.2016	28	ABHISHEK VERMA.	I	Conduction	Acceleration of ice at the surface of ponds
21.11.2016	29	ABHISHEK VERMA.	I	Conduction	Coductivity of bad conductors
22.11.2016		Maneeta/Amit		Class Teaching	
23.11.2016	16	Maneeta Singh	III	p-n function	Zener breakdown mechanism
25.11.2016	15	Maneeta Singh	II	Fraunhoffer diffraction	Diffraction due to one slit
26.11.2016	16	ABHISHEK VERMA.	II	Optical instruments	Huyggen's eyepiece
28.11.2016	30	ABHISHEK VERMA.	I	Radiations	Black body radiation
29.11.2016	31	ABHISHEK VERMA.	I	Radiations	Kirchoff's law & its application
30.11.2016				Monthly Evaluation	
01.12.2016	17	Maneeta Singh	III	p-n junction	Photo diode & solar cell
02.12.2016	16	Maneeta Singh	II	Fraunhoffer diffraction	Circular aperture & circular disc
03.12.2016	17	ABHISHEK VERMA.	II	Optical instruments	Ramsden eyepiece
06.12.2016	32	ABHISHEK VERMA.	I	Radiation	Pressure and energy density
07.12.2016	33	ABHISHEK VERMA.	I	Radiation	Stefan boltzmans law
08.12.2016		ABHISHEK VERMA.		Class Teaching	
09.12.2016	18	Maneeta Singh	III	Transistors	p-n-p & n-p-n transistor
12.12.2016	17	Maneeta Singh	II	Fraunhoffer diffraction	Resolution, Rayleigh criteria
14.12.2016	18	ABHISHEK VERMA.	II	General theory of image formation	Principal points and principal plane
15.12.2016	34	ABHISHEK VERMA.	I	Radiations	Spectral distribution solar constant
16.12.2016	35	ABHISHEK VERMA.	I	Radiations	Wien's law, rayleigh Jeans law
17.12.2016		Manneta/Amit		Class Teaching	
19.12.2016	19	Maneeta Singh	III	Transistors	Potential divider biasing of transistors

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20.12.2016	18	Maneeta Singh	II	E.H. diffraction	Resolving power of human eye, grating,
					prism,microscope
21.12.2016	19	ABHISHEK VERMA.	II	General theory of image formation	Nodal points
22.12.2016	20	ABHISHEK VERMA.	II	General theory of image formation	Thickens & lens combination
24.12.2016	36	ABHISHEK VERMA.	I	Radiations	Plancks hypothesis and its applications
26.12.2016		ABHISHEK VERMA.		Class Teaching	
27.12.2016	20	Manneeta Singh	III	Transistors	Characteristics of three configuration CE, CB, CC
28.12.2016	21	Manneeta Singh	III	Transistors	Hybrid parameters, FET operation & characteristics
29.12.2016	22	Manneeta Singh	III	Transistors	MOSFET operation and characteristics, FET
					& MOSFET
30.12.2016	37	Manneeta Singh	I	Cryogenics	Refrigeration, person plug experiment
31.12.2016	21	ABHISHEK VERMA.	II	General theory of image formation	Telephoto lens
02.01.2017		Manneeta Singh		Class Teaching	
03.01.2017	23	Manneeta Singh	III	Modulation & Demodulation	Expression of AM, FM & PM waves
04.01.2017	24	Manneeta Singh	III	Modulation & Demodulation	Vander-Brij modulator, Linear diode detector
06.01.2017	25	Manneeta Singh	III	Radio transmitter & reciver	Super hetrodyne reciver, AM transmitter
					Standard broadcast radio receiver, AVC
07.01.2017	38	ABHISHEK VERMA.	I	Cryogenics	Liquification of air, H & He sdidification of He
09.01.2017	22	ABHISHEK VERMA.	II	Formats principle	Principle of extremum path
10.01.2017		ABHISHEK VERMA.		Class Teaching	
11.01.2017	26	Manneeta Singh	III	Amplifier & Oscillator	RC coupled Amplifier, FET Hybird equivalent
					C.K.T c α BJT
12.01.2017	27	Manneeta Singh	III	Amplifier & Oscillator	Hartely & Colpits oscillator
13.01.2017	39	ABHISHEK VERMA.	I	Cryogenics	Adiabatic, demagnetisation of paramagnetic salt
16.01.2017	23	ABHISHEK VERMA.	II	Fermat's principle modulation	Aplantic point
17.01.2017	18	Manneeta Singh	II	Diffraction grating	Diffraction due to two slit, h-parallel slit,
					grating
18.01.2017		Manneeta Singh		Monthly Evaluation	

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20.12.2016	18	Maneeta Singh	II	E.H. diffraction	Resolving power of human eye, grating,
					prism,microscope
21.12.2016	19	ABHISHEK VERMA.	II	General theory of image formation	Nodal points
22.12.2016	20	ABHISHEK VERMA.	II	General theory of image formation	Thickens & lens combination
24.12.2016	36	ABHISHEK VERMA.	I	Radiations	Plancks hypothesis and its applications
26.12.2016		ABHISHEK VERMA.		Class Teaching	
27.12.2016	20	Manneeta Singh	III	Transistors	Characteristics of three configuration CE, CB, CC
28.12.2016	21	Manneeta Singh	III	Transistors	Hybrid parameters, FET operation & characteristics
29.12.2016	22	Manneeta Singh	III	Transistors	MOSFET operation and characteristics, FET
					& MOSFET
30.12.2016	37	Manneeta Singh	I	Cryogenics	Refrigeration, person plug experiment
31.12.2016	21	ABHISHEK VERMA.	II	General theory of image formation	Telephoto lens
02.01.2017		Manneeta Singh		Class Teaching	
03.01.2017	23	Manneeta Singh	III	Modulation & Demodulation	Expression of AM, FM & PM waves
04.01.2017	24	Manneeta Singh	III	Modulation & Demodulation	Vander-Brij modulator, Linear diode detector
06.01.2017	25	Manneeta Singh	III	Radio transmitter & reciver	Super hetrodyne reciver, AM transmitter
					Standard broadcast radio receiver, AVC
07.01.2017	38	ABHISHEK VERMA.	I	Cryogenics	Liquification of air, H & He sdidification of He
09.01.2017	22	ABHISHEK VERMA.	II	Formats principle	Principle of extremum path
10.01.2017		ABHISHEK VERMA.		Class Teaching	
11.01.2017	26	Manneeta Singh	III	Amplifier & Oscillator	RC coupled Amplifier, FET Hybird equivalent
					C.K.T cx BJT
12.01.2017	27	Manneeta Singh	III	Amplifier & Oscillator	Hartely & Colpits oscillator
13.01.2017	39	ABHISHEK VERMA.	I	Cryogenics	Adiabatic, demagnetisation of paramagnetic salt
16.01.2017	23	ABHISHEK VERMA.	II	Fermat's principle modulation	Aplantic point
17.01.2017	18	Manneeta Singh	II	Diffraction grating	Diffraction due to two slit, h-parallel slit,
					grating
18.01.2017		Manneeta Singh		Monthly Evaluation	
19.01.2017	28	Manneeta Singh	III	Amplifire & Oicillator	Calpits Oscillator

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