

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

कक्षा : बी.एस-सी. भाग-दो			पाठ्यक्रम योजना : सत्र २०१७-२०१८		विषय : भौतिकी
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
17.07.2017	1	Maneeta Singh	III	Introduction	List of book
18.07.2017	1	Abhishek verma	II	Introduction	List of book
19.07.2017	1	Abhishek verma	I	Kinetic theory of gases	Maxwell law of distribution of molecular speeds
20.07.2017		Maneeta Singh		Class Teaching	
21.07.2017	2	Maneeta Singh	III	Basic semiconductor	Energy band theory and energy band pictures
				physics	of semiconductors
22.07.2017	1	Maneeta Singh	II	Interference of light	Superposition principle & young's double slit experiment
24.07.2017	2	Abhishek verma	II	Polarisation	Circularly and elliptically polarised light
25.07.2017	2	Abhishek verma	I	Kinetic theory of gases	Law of equipartition of energy
26.07.2017	3	Abhishek verma	I	Kinetic theory of gases	Specific heat of ideal gas
27.07.2017		Maneeta Singh		Class Teaching	
29.07.201	3	Maneeta Singh	III	Basic semiconductor	Electron hole densities
				physics	
31.07.2017	2	Maneeta Singh	II	Interference	Young's double slit
01.08.2017	3	Abhishek verma	II	Polarisation	Brewster's law, law of malus
02.08.2017	4	Abhishek verma	I	Kinetic theory of gases	Transport phenomenon
03.08.2017	5	Abhishek verma.	I	Kinetic theory of gases	Mean free path
04.08.2017		Maneeta Singh		Class Teaching	
05.08.2017	4	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of intrinsic semiconductor
08.08.2017	3	Maneeta Singh	II	Interference	Coherence
09.08.2017	4	Abhishek verma	II	Polarisation	Double refraction
10.08.2017	6	Abhishek verma	I	Kinetic theory of gases	Viscosity and diffusion
11.08.2017	7	Abhishek verma	I	Equation of states	Andrew's experiment
12.08.2017		Maneeta Singh		Class Teaching	
13.08.2017	5	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of extrinsic semiconductor
16.08.2017	4	Maneeta Singh	II	Interference	Fresnel Biprism
17.08.2017	5	ABHISHEK VERMA.	II	Polarisation	Huygen's theory of double refraction
18.08.2017	9	ABHISHEK VERMA.	I	Equation of states	Specific heat of saturated vapour
19.08.2017	9	ABHISHEK VERMA.	I	Equation of states	Vanderwalls equation of state

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21.08.2017		Maneeta Singh		Class Teaching	
22.08.2017	6	Maneeta Singh	III	Basic semiconduct for physics	Minority and majority charge carriers
23.08.2017	5	Maneeta Singh	II	Interference	Fringes of equal thickness
24.08.2017	6	ABHISHEK VERMA.	II	Polarisation	Nicol Prism, Double Image prism
25.08.2017	10	ABHISHEK VERMA.	I	Equation of states	Boyle's temperature
26.08.2017	11	ABHISHEK VERMA.	I	Equation of states	Critical constants
28.08.2017		Maneeta Singh		Monthly evaluation	
29.08.2017	7	Maneeta Singh	III	Basic semiconductor physics	Drift and duffusion currents continuity equation
31.08.2017	6	Maneeta Singh	II	Interference	Newton's ring
01.09.2017	7	ABHISHEK VERMA.	II	Polarisation	Optical rotation
02.09.2017	12	ABHISHEK VERMA.	I	Thermodynamics and entropy	Resersibie and irreversible process
05.09.2017	13	ABHISHEK VERMA.	I	Thermodynamics and entropy	Carnot's theorem
06.09.2017		Maneeta Singh		Class Teaching	
07.09.2017	8	Maneeta Singh	II	Digital electronics	Decimal and binary numbers systems and their
08.09.2017	7	Maneeta Singh	II	Interference	conversion Michelson interferometer
09.09.2017	8	ABHISHEK VERMA.	II	Polarisation	Polarimeter
11.09.2017	14	ABHISHEK VERMA.	I	Thermodynamics & entropy	Absolute seals of temperature
12.09.2017	15	ABHISHEK VERMA.	I	Thermodynamics & entropy	Second law of thermodynamics
13.09.2017		Maneeta Singh		Class Teaching	
14.09.2017	9	Maneeta Singh	III	Digital eletronics	Bodean Algebra
15.09.2017	8	Maneeta Singh	II	Interference	Uses of Michelson interferometer
16.09.2017	9	ABHISHEK VERMA.	II	Aberration in images	Introduction, chromatic aberration
18.09.2017	16	ABHISHEK VERMA.	I	Thermodynamics & entropy	Entropy and its physical significance
19.09.2017	17	ABHISHEK VERMA.	I	Thermodynamics & entropy	Entropy of simple reversible process
21.09.2017		Maneeta/Amit		Class Teaching	
22.09.2017	10	Maneeta Singh	III	Digital electronics	Demorgen is theorem, logic gates AND, OR Gates
23.09.2017	9	Maneeta Singh	II	Interference	Intensity distribution in multiple beam
25.09.2017	10	ABHISHEK VERMA.	II	Aberration in images	Monochromatic aberration
26.09.2017	18	ABHISHEK VERMA.	I	Thermodynamics & entroy	Entropy of irreversible process

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27.09.2017	19	ABHISHEK VERMA.	I	Maxwell theory of dynamic	Maxwell thermodynamical relations
				relation	
03.10.2017		Maneeta Singh		Monthly Evaluation	
04.10.2017	11	Maneeta Singh	III	Digital electronics	NOT, NAND, NOR, XNOR gates
06.10.2017	10	Maneeta Singh	II	Interference	Fabry-Perot Interferometer
07.10.2017	11	ABHISHEK VERMA.	II	Aberration in images	Spherical aberration
09.10.2017	20	ABHISHEK VERMA.	I	Maxwell thermodynamic	Application of Maxwell thermodynamical
				relation	relations
10.10.2017	21	ABHISHEK VERMA.	I	Maxwell thermodynamical	Clausius - Clapeyron equation
				relation	
11.10.2017		Maneeta/Abhishek		Class Teaching	
12.10.2017	12	Maneeta Singh	III	Digital electronics	Universality of NOR & NAND Gates
13.10.2017	11	Maneeta Singh	II	Interference	Tolansky fringes
14.10.2017	12	ABHISHEK VERMA.	II	Aberration in images	Achromatic combination of lenses
16.10.2017	22	ABHISHEK VERMA.	I	Maxwell thermodynamics	Tds equations
				relations	
23.10.2017	23	ABHISHEK VERMA.	I	Maxwell thermodynamic	Joule-Thomson effect
				relations	
24.10.2017		ABHISHEK VERMA.		Class Teaching	
25.10.2017	13	Maneeta Singh	III	p-n junction	Built in potential, width & capacitance of
					depletion region
26.10.2017	12	Maneeta Singh	II	Fresnel diffraction	Zone's plate
27.10.2017	13	ABHISHEK VERMA.	II	Aberration in images	Schmidt corrector and immersion objective
28.10.2017	24	ABHISHEK VERMA.	I	Maxwell thermodynamical	Internal energy equation
				relations	
30.10.2017	25	ABHISHEK VERMA.	I	Maxwell thermodynamical	Specific heat equations
				relations	
31.10.2017		ABHISHEK VERMA.		Monthly evaluation	
01.11.2017	14	Maneeta Singh	III	p-N junction	Current in biased p-n junction
02.11.2017	13	Maneeta Singh	II	Fresnel Diffraction	Circular aperture

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03.11.2017	14	ABHISHEK VERMA.	II	Optical instruments	Entrance and exit pupils
06.11.2017	26	ABHISHEK VERMA.	I	Maxwell thermodynamical	Magneto-caloric effect, reversible electrolytic
				relations	cell
07.11.2017	27	ABHISHEK VERMA.	I	Coduction	Recatilinear flow of heat
08.11.2017		ABHISHEK VERMA.		Class Teaching	
10.11.2017	15	Maneeta Singh	III	p-n junction	Varaetor diode, zoner diode and its characteritics
11.11.2017	14	Maneeta Singh	II	Fresnel diffraction	Straight edge, reatillinear propogation
13.11.2017	15	ABHISHEK VERMA.	II	Optical instruments	Multiple lens eyepiece
14.11.2017	28	ABHISHEK VERMA.	I	Conduction	Acceleration of ice at the surface of ponds
15.11.2017	29	ABHISHEK VERMA.	I	Conduction	Coductivity of bad conductors
16.11.2017		Maneeta/Amit		Class Teaching	
17.11.2017	16	Maneeta Singh	III	p-n function	Zener breakdown mechanism
18.11.2017	15	Maneeta Singh	II	Fraunhoffer diffraction	Diffraction due to one slit
20.11.2017	16	ABHISHEK VERMA.	II	Optical instruments	Huyggen's eyepiece
21.11.2017	30	ABHISHEK VERMA.	I	Radiations	Black body radiation
22.11.2017	31	ABHISHEK VERMA.	I	Radiations	Kirchoff's law & its application
23.11.2017				Monthly Evaluation	
24.11.2017	17	Maneeta Singh	III	p-n junction	Photo diode & solar cell
25.11.2017	16	Maneeta Singh	II	Fraunhoffer diffraction	Circular aperture & circular disc
27.11.2017	17	ABHISHEK VERMA.	II	Optical instruments	Ramsden eyepiece
28.11.2017	32	ABHISHEK VERMA.	I	Radiation	Pressure and energy density
29.11.2017	33	ABHISHEK VERMA.	I	Radiation	Stefan boltzmans law
30.11.2017		ABHISHEK VERMA.		Class Teaching	
01.12.2017	18	Maneeta Singh	III	Transistors	p-n-p & n-p-n transistor
02.12.2017	17	Maneeta Singh	II	Fraunhoffer diffraction	Resolution, Rayleigh criteria
03.12.2017	18	ABHISHEK VERMA.	II	General theory of image formation	Principal points and principal plane
06.12.2017	34	ABHISHEK VERMA.	I	Radiations	Spectral distribution solar constant
07.12.2017	35	ABHISHEK VERMA.	I	Radiations	Wien's law, rayleigh Jeans law
08.12.2017		Manneta/Amit		Class Teaching	
09.12.2017	19	Maneeta Singh	III	Transistors	Potential divider biasing of transistors

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11.12.2017	18	Maneeta Singh	II	E.H. diffraction	Resolving power of human eye, grating,
					prism,microscope
12.12.2017	19	ABHISHEK VERMA.	II	General theory of image formation	Nodal points
13.12.2017	20	ABHISHEK VERMA.	II	General theory of image formation	Thicklers & lens combination
14.12.2017	36	ABHISHEK VERMA.	I	Radiations	Plancks hypothesis and its applications
15.12.2017		ABHISHEK VERMA.		Class Teaching	
16.12.2017	20	Manneeta Singh	III	Transistors	Characteristics of three configuration CE, CB, CC
18.12.2017	21	Manneeta Singh	III	Transistors	Hybrid parameters, FET operator & characteristics
19.12.2017	22	Manneeta Singh	III	Transistors	MOSFET operation and characteristics, FET
					& MOSFET
20.12.2017	37	Manneeta Singh	I	Cryogenics	Refrigeration, person plug experiment
21.12.2017	21	ABHISHEK VERMA.	II	General theory of image	Telephoto lens
				formation	
22.12.2017		Manneeta Singh		Class Teaching	
23.12.2017	23	Manneeta Singh	III	Modulation & Demodulation	Expression of AM, FM & PM waves
26.12.2017	24	Manneeta Singh	III	Modulation & Demodulation	Vander-Brij modulator, Linear diode detector
27.12.2017	25	Manneeta Singh	III	Radio transmitter & reciver	Super hetrodyne reciver, AM transmitter
					Standard broadcast radio receiver, AVC
28.12.2017	38	ABHISHEK VERMA.	I	Cryogenics	Liquification of air, H & He solidification of He
29.12.2017	22	ABHISHEK VERMA.	II	Formats principle	Principle of extremum path
30.12.2017		ABHISHEK VERMA.		Class Teaching	
01.01.2018	26	Manneeta Singh	III	Amplifier & Oscillator	RC coupled Amplifier, FET Hybird equivalent
					C.K.T cx BJT
02.01.2018	27	Manneeta Singh	III	Amplifier & Oscillator	Hartely & Colpits oscillator
03.01.2018	39	ABHISHEK VERMA.	I	Cryogenics	Adiabatic, demagnetisation of paramagnetic salt
04.01.2018	23	ABHISHEK VERMA.	II	Fermat's principle modulation	Aplantic point
05.01.2018	18	Manneeta Singh	II	Diffraction grating	Diffraction due to two slit, h-parallel slit,
					grating
06.01.2018		Manneeta Singh		Monthly Evaluation	
08.01.2018	18	Manneeta Singh	II	E.H. diffraction	Resolving power of human eye, grating

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09.01.2018	19	ABHISHEK VERMA.	II	General theory of image formation	Nodal Points
10.01.2018	20	ABHISHEK VERMA.	II	General theory of image formation	Thickens & lens combination
11.01.2018	36	ABHISHEK VERMA.	I	Radiation	Planks hypothesis and its application
12.01.2018				Class Teaching	
16.01.2018	20	Manneeta Singh	III	Transistors	Characteristics of three configuration CE, CB, CC
17.01.2018	21	Manneeta Singh	III	Transistors	Hybrid parameters , FET operator & characteristics
18.01.2018	22	Manneeta Singh	III	Transistors	MOSFET operation and Characteristics, FET & MOSFET
19.01.2018	37	ABHISHEK VERMA.	I	Cryogenics	Adiabatic Demagnetization of para magnetic Salt
					Refrigeration, person plug experiment
20.01.2018	34	ABHISHEK VERMA.	II	General theory of image formation	Telephoto lens
22.01.2018		Manneeta Singh		Class Teaching	
23.01.2018	23	Manneeta Singh	III	Modulation & Demodulation	Expression of AM, FM, & PM waves
24.01.2018	24	Manneeta Singh	III	Modulation & Demodulation	Vander-Brij modulator, Linear diode detector
25.01.2018	25	Manneeta Singh	III	Radio Transmitter & Receiver	Super heterodyne receiver, AM transmitter
					standard Broadcast radio receiver, AVC
27.01.2018	38	ABHISHEK VERMA.	I	Cryogenics	Liquidification of air, H & He solidification of He
29.01.2018	22	ABHISHEK VERMA.	II	Format principle	Principle of extremum path, Aplanatic point
30.01.2018		ABHISHEK VERMA.		Class Teaching	
31.01.2018	26	Manneeta Singh		Amplifier & Oscillator	Hartely & colpits oscillator RC coupled
					Amplifier, FET Hybrid equivalent C.K.T. cx BJT