

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

कक्षा : बी.एस-सी. भाग-दो		पाठ्यक्रम योजना : सत्र २०१८-२०१९		विषय : भौतिकी	
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
16.07.2018	1	Maneeta Singh	III	Introduction	List of book
17.07.2018	1	Abhishek verma	II	Introduction	List of book
18.07.2018	1	Abhishek verma	I	Kinetic theory of gases	Maxwell law of distribution of molecular speeds
19.07.2018		Maneeta Singh		Class Teaching	
20.07.2018	2	Maneeta Singh	III	Basic semiconductor	Energy band theory and energy band pictures
				physics	of semiconductors
21.07.2018	1	Maneeta Singh	II	Interference of light	Superposition principle & young's double slit experiment
23.07.2018	2	Abhishek verma	II	Polarisation	Circularly and elliptically polarised light
24.07.2018	2	Abhishek verma	I	Kinetic theory of gases	Law of equipartition of energy
25.07.2018	3	Abhishek verma	I	Kinetic theory of gases	Specific heat of ideal gas
26.07.2018		Maneeta Singh		Class Teaching	
27.07.2018	3	Maneeta Singh	III	Basic semiconductor	Electron hole densities
				physics	
28.07.2018	2	Maneeta Singh	II	Interference	Young's double slit
30.07.2018	3	Abhishek verma	II	Polarisation	Brewster's law, law of malus
31.07.2018	4	Abhishek verma	I	Kinetic theory of gases	Transport phenomenon
01.08.2018	5	Abhishek verma.	I	Kinetic theory of gases	Mean free path
02.08.2018		Maneeta Singh		Class Teaching	
03.08.2018	4	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of intrinsic semiconductor
04.08.2018	3	Maneeta Singh	II	Interference	Coherence
06.08.2018	4	Abhishek verma	II	Polarisation	Double refraction
07.08.2018	6	Abhishek verma	I	Kinetic theory of gases	Viscosity and diffusion
08.08.2018	7	Abhishek verma	I	Equation of states	Andrew's experiment
09.08.2018		Maneeta Singh		Class Teaching	
10.08.2018	5	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of extrinsic semiconductor
11.08.2018	4	Maneeta Singh	II	Interference	Fresnel Biprism
12.08.2018	5	ABHISHEK VERMA.	II	Polarisation	Huygen's theory of double refraction
13.08.2018	9	ABHISHEK VERMA.	I	Equation of states	Specific heat of saturated vapour
16.08.2018	9	ABHISHEK VERMA.	I	Equation of states	Vanderwalls equation of state

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17.08.2018		Maneeta Singh		Class Teaching	
18.08.2018	6	Maneeta Singh	III	Basic semiconduct for physics	Minority and majority charge carriers
20.08.2018	5	Maneeta Singh	II	Interference	Fringes of equal thickness
21.08.2018	6	ABHISHEK VERMA.	II	Polarisation	Nicol Prism, Double Image prism
23.08.2018	10	ABHISHEK VERMA.	I	Equation of states	Boyle's temperature
24.08.2018	11	ABHISHEK VERMA.	I	Equation of states	Critical constants
25.08.2018		Maneeta Singh		Monthly evaluation	
27.08.2018	7	Maneeta Singh	III	Basic semiconductor physics	Drift and duffusion currents continuity equation
28.08.2018	6	Maneeta Singh	II	Interference	Newton's ring
29.08.2018	7	ABHISHEK VERMA.	II	Polarisation	Optical rotation
30.08.2018	12	ABHISHEK VERMA.	I	Thermodynamics and entropy	Resersibie and irreversible process
01.09.2018	13	ABHISHEK VERMA.	I	Thermodynamics and entropy	Carnot's theorem
04.09.2018		Maneeta Singh		Class Teaching	
05.09.2018	8	Maneeta Singh	II	Digital electronics	Decimal and binary numbers systems and their
06.09.2018	7	Maneeta Singh	II	Interference	conversion Michelson interferometer
07.09.2018	8	ABHISHEK VERMA.	II	Polarisation	Polarimeter
08.09.2018	14	ABHISHEK VERMA.	I	Thermodynamics & entropy	Absolute seals of temperature
10.09.2018	15	ABHISHEK VERMA.	I	Thermodynamics & entropy	Second law of thermodynamics
11.09.2018		Maneeta Singh		Class Teaching	
12.09.2018	9	Maneeta Singh	III	Digital eletronics	Bodean Algebra
13.09.2018	8	Maneeta Singh	II	Interference	Uses of Michelson interferometer
14.09.2018	9	ABHISHEK VERMA.	II	Aberration in images	Introduction, chromatic aberration
15.09.2018	16	ABHISHEK VERMA.	I	Thermodynamics & entropy	Entropy and its physical significance
17.09.2018	17	ABHISHEK VERMA.	I	Thermodynamics & entropy	Entropy of simple reversible process
18.09.2018		Maneeta/Amit		Monthly Evaluation	
19.09.2018	10	Maneeta Singh	III	Digital electronics	Demorgen is theorem, logic gates AND, OR Gates
20.09.2018	9	Maneeta Singh	II	Interference	Intensity distribution in multiple beam
22.09.2018	10	ABHISHEK VERMA.	II	Aberration in images	Monochromatic aberration
24.09.2018	18	ABHISHEK VERMA.	I	Thermodynamics & entroy	Entropy of irreversible process

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25.09.2018	19	ABHISHEK VERMA.	I	Maxwell theory of dynamic	Maxwell thermodynamical relations
26.09.2018		Maneeta Singh		relation <i>Class Teaching</i>	
27.09.2018	11	Maneeta Singh	III	Digital electronics	NOT, NAND, NOR, XNOR gates
28.09.2018	10	Maneeta Singh	II	Interference	Fabry-Perot Interafero meter
01.10.2018	11	ABHISHEK VERMA.	II	Aberration in images	Spherical aberration
03.10.2018	20	ABHISHEK VERMA.	I	Maxwell thermodynamic	Application of Maxwell thermodynamical
04.10.2018	21	ABHISHEK VERMA.	I	relation Maxwell thermodynamical	relations Claus us - clapeyron equation
05.10.2018		Maneeta/Abhishek		relation <i>Class Teaching</i>	
06.10.2018	12	Maneeta Singh	III	Digital eletronics	University of NOR & NAND Gates
09.10.2018	11	Maneeta Singh	II	Interference	Tolanskey fringes
10.10.2018	12	ABHISHEK VERMA.	II	Aberration in images	Achromatic combination of lenses
11.10.2018	22	ABHISHEK VERMA.	I	Maxwell thermodynamics	Tds equations
12.10.2018	23	ABHISHEK VERMA.	I	relations Maxwell thermodynamic	Joule-Thomson effect
13.10.2018		ABHISHEK VERMA.		relations <i>Evaluation</i>	
15.10.2018	13	Maneeta Singh	III	p-n junction	Built in potential, width & capacitance of
16.10.2018	12	Maneeta Singh	II	Fresnel diffraction	depletion region Zone's plate
17.10.2018	13	ABHISHEK VERMA.	II	Aberration in images	Schmidt corrector hata immersion objective
22.10.2018	24	ABHISHEK VERMA.	I	Maxwell thermodynamical	Internal energy equation
24.10.2018	25	ABHISHEK VERMA.	I	relations Maxwell thermodynamical	Specific heat equations
25.10.2018		ABHISHEK VERMA.		relations <i>Class Teaching</i>	
26.10.2018	14	Maneeta Singh	III	p-N junction	Current in biased p-n junction
27.10.2018	13	Maneeta Singh	II	Fresnel Diffraction	Circular aperature

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29.10.2018	14	ABHISHEK VERMA.	II	Optical instruments	Entrance and exit pupils
31.10.2018	26	ABHISHEK VERMA.	I	Maxwell thermodynamical	Magneto-caloric effect, reversible electrolytic
				relations	cell
01.11.2018	27	ABHISHEK VERMA.	I	Coduction	Recatilinear flow of heat
02.11.2018		ABHISHEK VERMA.		Class Teaching	
12.11.2018	15	Maneeta Singh	III	p-n junction	Varaetor diode, zoner diode and its characteritics
13.11.2018	14	Maneeta Singh	II	Fresnel diffraction	Straight edge, reatillinear propogation
14.11.2018	15	ABHISHEK VERMA.	II	Optical instruments	Multiple lens eyepiece
15.11.2018	28	ABHISHEK VERMA.	I	Conduction	Acceleration of ice at the surface of ponds
16.11.2018	29	ABHISHEK VERMA.	I	Conduction	Coductivity of bad conductors
17.11.2018		Maneeta/Amit		Class Teaching	
19.11.2018	16	Maneeta Singh	III	p-n function	Zener breakdown mechanism
20.11.2018	15	Maneeta Singh	II	Fraunhoffer diffraction	Diffraction due to one slit
21.11.2018	16	ABHISHEK VERMA.	II	Optical instruments	Huyggen's eyepiece
22.11.2018	30	ABHISHEK VERMA.	I	Radiations	Black body radiation
23.11.2018	31	ABHISHEK VERMA.	I	Radiations	Kirchoff's law & its application
24.11.2018				Monthly Evaluation	
26.11.2018	17	Maneeta Singh	III	p-n junction	Photo diode & solar cell
27.11.2018	16	Maneeta Singh	II	Fraunhoffer diffraction	Circular aperture & circular disc
28.11.2018	17	ABHISHEK VERMA.	II	Optical instruments	Ramsden eyepiece
29.11.2018	32	ABHISHEK VERMA.	I	Radiation	Pressure and energy density
30.11.2018	33	ABHISHEK VERMA.	I	Radiation	Stefan boltzmans law
01.12.2018		ABHISHEK VERMA.		Class Teaching	
03.12.2018	18	Maneeta Singh	III	Transistors	p-n-p & n-p-n transistor
06.12.2018	17	Maneeta Singh	II	Fraunhoffer diffraction	Resolution, Rayleigh criteria
07.12.2018	18	ABHISHEK VERMA.	II	General theory of image formation	Principal points and principal plane
08.12.2018	34	ABHISHEK VERMA.	I	Radiations	Spectral distribution solar constant
11.12.2018	35	ABHISHEK VERMA.	I	Radiations	Wien's law, rayleigh Jeans law
12.12.2018		Manneta/Amit		Class Teaching	
13.12.2018	19	Maneeta Singh	III	Transistors	Potential divider biasing of transistors

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14.12.2018	18	Maneeta Singh	II	E.H. diffraction	Resolving power of human eye, grating,
					prism,microscope
15.12.2018	19	ABHISHEK VERMA.	II	General theory of image formation	Nodal points
17.12.2018	20	ABHISHEK VERMA.	II	General theory of image formation	Thickens & lens combination
18.12.2018	36	ABHISHEK VERMA.	I	Radiations	Plancks hypothesis and its applications
19.12.2018		ABHISHEK VERMA.		Class Teaching	
20.12.2018	20	Manneeta Singh	III	Transistors	Characteristics of three configuration CE, CB, CC
21.12.2018	21	Manneeta Singh	III	Transistors	Hybrid parameters, FET operation & characteristics
22.12.2018	22	Manneeta Singh	III	Transistors	MOSFET operation and characteristics, FET
					& MOSFET
31.12.2018	37	Manneeta Singh	I	Cryogenics	Refrigeration, person plug experiment
01.01.2019	21	ABHISHEK VERMA.	II	General theory of image formation	Telephoto lens
02.01.2019		Manneeta Singh		Class Teaching	
03.01.2019	23	Manneeta Singh	III	Modulation & Demodulation	Expression of AM, FM & PM waves
04.01.2019	24	Manneeta Singh	III	Modulation & Demodulation	Vander-Brij modulator, Linear diode detector
05.01.2019	25	Manneeta Singh	III	Radio transmitter & receiver	Super heterodyne receiver, AM transmitter
					Standard broadcast radio receiver, AVC
07.01.2019	38	ABHISHEK VERMA.	I	Cryogenics	Liquification of air, H & He solidification of He
08.01.2019	22	ABHISHEK VERMA.	II	Formulas principle	Principle of extremum path
09.01.2019		ABHISHEK VERMA.		Class Teaching	
10.01.2019	26	Manneeta Singh	III	Amplifier & Oscillator	RC coupled Amplifier, FET Hybrid equivalent
					C.K.T ex BJT
11.01.2019	27	Manneeta Singh	III	Amplifier & Oscillator	Hartely & Colpits oscillator
12.01.2019	39	ABHISHEK VERMA.	I	Cryogenics	Adiabatic, demagnetisation of paramagnetic salt
17.01.2019	23	ABHISHEK VERMA.	II	Fermat's principle modulation	Aplanatic point
18.01.2019	18	Manneeta Singh	II	Diffraction grating	Diffraction due to two slit, h-parallel slit,
					grating
19.01.2019		Manneeta Singh		Monthly Evaluation	

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