

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

कक्षा : बी.एस-सी. भाग-दो		पाठ्यक्रम योजना : सत्र २०१६-२०२०			विषय : भौतिकी
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
16.07.2019	1	Maneeta Singh	III	Introduction	List of book
17.07.2019	1	Abhishek verma	II	Introduction	List of book
18.07.2019	1	Abhishek verma	I	Kinetic theory of gases	Maxwell law of distribution of molecular speeds
19.07.2019		Maneeta Singh		Class Teaching	
20.07.2019	2	Maneeta Singh	III	Basic semiconductor	Energy band theory and energy band pictures
				physics	of semiconductors
22.07.201	1	Maneeta Singh	II	Interference of light	Superposition principle & young's double slit experiment
23.07.2019	2	Abhishek verma	II	Polarisation	Circularly and elliptically polarised light
24.07.2019	2	Abhishek verma	I	Kinetic theory of gases	Law of equipartition of energy
25.07.2019	3	Abhishek verma	I	Kinetic theory of gases	Specific heat of ideal gas
26.07.2019		Maneeta Singh		Class Teaching	
27.07.2019	3	Maneeta Singh	III	Basic semiconductor	Electron hole densities
				physics	
28.07.2019	2	Maneeta Singh	II	Interference	Young's double slit
29.07.2019	3	Abhishek verma	II	Polarisation	Brewster's law, law of malus
30.07.2019	4	Abhishek verma	I	Kinetic theory of gases	Transport phenomenon
31.07.2019	5	Abhishek verma.	I	Kinetic theory of gases	Mean free path
01.08.2019		Maneeta Singh		Class Teaching	
02.08.2019	4	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of intrinsic semiconductor
03.08.2019	3	Maneeta Singh	II	Interference	Coherence
06.08.2019	4	Abhishek verma	II	Polarisation	Double refraction
07.08.2019	6	Abhishek verma	I	Kinetic theory of gases	Viscosity and diffusion
08.08.2019	7	Abhishek verma	I	Equation of states	Andrew's experiment
09.08.2019		Maneeta Singh		Class Teaching	
10.08.2019	5	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of extrinsic semiconductor
13.08.2019	4	Maneeta Singh	II	Interference	Fresnel Biprism
14.08.2019	5	ABHISHEK VERMA.	II	Polarisation	Huygen's theory of double refraction
16.08.2019	9	ABHISHEK VERMA.	I	Equation of states	Specific heat of saturated vapour
17.08.2019	9	ABHISHEK VERMA.	I	Equation of states	Vanderwalls equation of state

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19.08.2019		Maneeta Singh		Class Teaching	
20.08.2019	6	Maneeta Singh	III	Basic semiconduct for physics	Minority and majority charge carriers
21.08.2019	5	Maneeta Singh	II	Interference	Fringes of equal thickness
22.08.2019	6	ABHISHEK VERMA.	II	Polarisation	Nicol Prism, Double Image prism
24.08.2019	10	ABHISHEK VERMA.	I	Equation of states	Boyle's temperature
26.08.2019	11	ABHISHEK VERMA.	I	Equation of states	Critical constants
27.08.2019		Maneeta Singh		Monthly evaluation	
28.08.2019	7	Maneeta Singh	III	Basic semiconductor physics	Drift and duffusion currents continuity equation
29.08.2019	6	Maneeta Singh	II	Interference	Newton's ring
30.08.2019	7	ABHISHEK VERMA.	II	Polarisation	Optical rotation
02.09.2019	12	ABHISHEK VERMA.	I	Thermodynamics and entropy	Resersibie and irreversible process
03.09.2019	13	ABHISHEK VERMA.	I	Thermodynamics and entropy	Carnot's theorem
04.09.2019		Maneeta Singh		Class Teaching	
05.09.2019	8	Maneeta Singh	II	Digital electronics	Decimal and binary numbers systems and their
06.09.2019	7	Maneeta Singh	II	conversion Interference	Michelson interferometer
07.09.2019	8	ABHISHEK VERMA.	II	Polarisation	Polarimeter
09.09.2019	14	ABHISHEK VERMA.	I	Thermodynamics & entropy	Absolute seals of temperature
11.09.2019	15	ABHISHEK VERMA.	I	Thermodynamics & entropy	Second law of thermodynamics
13.09.2019		Maneeta Singh		Class Teaching	
14.09.2019	9	Maneeta Singh	III	Digital eletronics	Bodean Algebra
16.09.2019	8	Maneeta Singh	II	Interference	Uses of Michelson interferometer
17.09.2019	9	ABHISHEK VERMA.	II	Aberration in images	Introduction, chromatic aberration
19.09.2019	16	ABHISHEK VERMA.	I	Thermodynamics & entropy	Entropy and its physical significance
20.09.2019	17	ABHISHEK VERMA.	I	Thermodynamics & entropy	Entropy of simple reversible process
21.09.2019		Maneeta/Amit		Monthly Evaluation	
22.09.2019	10	Maneeta Singh	III	Digital electronics	Demorgen is theorem, logic gates AND, OR Gates
23.09.2019	9	Maneeta Singh	II	Interference	Intensity distribution in multiple beam
24.09.2019	10	ABHISHEK VERMA.	II	Aberration in images	Monochromatic aberration
25.09.2019	18	ABHISHEK VERMA.	I	Thermodynamics & entroy	Entropy of irreversible process

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26.09.2019	19	ABHISHEK VERMA.	I	Maxwell theory of dynamic	Maxwell thermodynamical relations
27.09.2019		Maneeta Singh		relation Evaluation	
30.09.2019	11	Maneeta Singh	III	Digital electronics	NOT, NAND, NOR, XNOR gates
01.10.2019	10	Maneeta Singh	II	Interference	Fabry-Perot Interferometer
03.10.2019	11	ABHISHEK VERMA.	II	Aberration in images	Spherical aberration
04.10.2019	20	ABHISHEK VERMA.	I	Maxwell thermodynamic	Application of Maxwell thermodynamical
05.10.2019	21	ABHISHEK VERMA.	I	relation Maxwell thermodynamical	relations Clausius - Clapeyron equation
12.10.2019		Maneeta/Abhishek		relation Class Teaching	
14.10.2019	12	Maneeta Singh	III	Digital electronics	Universality of NOR & NAND Gates
15.10.2019	11	Maneeta Singh	II	Interference	Tolansky fringes
16.10.2019	12	ABHISHEK VERMA.	II	Aberration in images	Achromatic combination of lenses
17.10.2019	22	ABHISHEK VERMA.	I	Maxwell thermodynamics	Tds equations
18.10.2019	23	ABHISHEK VERMA.	I	relations Maxwell thermodynamic	Joule-Thomson effect
21.10.2019		ABHISHEK VERMA.		relations Evaluation	
22.10.2019	13	Maneeta Singh	III	p-n junction	Built in potential, width & capacitance of
23.10.2019	12	Maneeta Singh	II	Fresnel diffraction	depletion region Zone's plate
30.10.2019	13	ABHISHEK VERMA.	II	Aberration in images	Schmidt corrector and immersion objective
31.10.2019	24	ABHISHEK VERMA.	I	Maxwell thermodynamical	Internal energy equation
01.11.2019	25	ABHISHEK VERMA.	I	relations Maxwell thermodynamical	Specific heat equations
04.11.2019		ABHISHEK VERMA.		relations Class Teaching	
05.11.2019	14	Maneeta Singh	III	p-N junction	Current in biased p-n junction
06.11.2019	13	Maneeta Singh	II	Fresnel Diffraction	Circular aperture

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07.11.2019	14	ABHISHEK VERMA.	II	Optical instruments	Entrance and exit pupils
09.11.2019	26	ABHISHEK VERMA.	I	Maxwell thermodynamical	Magneto-caloric effect, reversible electrolytic
				relations	cell
11.11.2019	27	ABHISHEK VERMA.	I	Coduction	Recatilinear flow of heat
13.11.2019		ABHISHEK VERMA.		Class Teaching	
14.11.2019	15	Maneeta Singh	III	p-n junction	Varaetor diode, zoner diode and its characteritics
15.11.2019	14	Maneeta Singh	II	Fresnel diffraction	Straight edge, reatillinear propogation
16.11.2019	15	ABHISHEK VERMA.	II	Optical instruments	Multiple lens eyepiece
18.11.2019	28	ABHISHEK VERMA.	I	Conduction	Acceleration of ice at the surface of ponds
19.11.2019	29	ABHISHEK VERMA.	I	Conduction	Coductivity of bad conductors
20.11.2019		Maneeta/Amit		Class Teaching	
21.11.2019	16	Maneeta Singh	III	p-n function	Zener breakdown mechanism
22.11.2019	15	Maneeta Singh	II	Fraunhoffer diffraction	Diffraction due to one slit
23.11.2019	16	ABHISHEK VERMA.	II	Optical instruments	Huyggen's eyepiece
25.11.2019	30	ABHISHEK VERMA.	I	Radiations	Black body radiation
26.11.2019	31	ABHISHEK VERMA.	I	Radiations	Kirchoff's law & its application
27.11.2019				Monthly Evaluation	
28.11.2019	17	Maneeta Singh	III	p-n junction	Photo diode & solar cell
29.11.2019	16	Maneeta Singh	II	Fraunhoffer diffraction	Circular aperture & circular disc
30.11.2019	17	ABHISHEK VERMA.	II	Optical instruments	Ramsden eyepiece
02.12.2019	32	ABHISHEK VERMA.	I	Radiation	Pressure and energy density
03.12.2019	33	ABHISHEK VERMA.	I	Radiation	Stefan boltzmans law
07.12.2019		ABHISHEK VERMA.		Class Teaching	
09.12.2019	18	Maneeta Singh	III	Transistors	p-n-p & n-p-n transistor
11.12.2019	17	Maneeta Singh	II	Fraunhoffer diffraction	Resolution, Rayleigh criteria
12.12.2019	18	ABHISHEK VERMA.	II	General theory of image formation	Principal points and principal plane
13.12.2019	34	ABHISHEK VERMA.	I	Radiations	Spectral distribution solar constant
14.12.2019	35	ABHISHEK VERMA.	I	Radiations	Wien's law, rayleigh Jeans law
16.12.2019		Manneta/Amit		Class Teaching	
17.12.2019	19	Maneeta Singh	III	Transistors	Potential divider biasing of transistors

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18.12.2019	18	Maneeta Singh	II	E.H. diffraction	Resolving power of human eye, grating,
					prism,microscope
19.12.2019	19	ABHISHEK VERMA.	II	General theory of image formation	Nodal points
20.12.2019	20	ABHISHEK VERMA.	II	General theory of image formation	Thickens & lens combination
21.12.2019	36	ABHISHEK VERMA.	I	Radiations	Plancks hypothesis and its applications
23.12.2019		ABHISHEK VERMA.		Class Teaching	
24.12.2019	20	Manneeta Singh	III	Transistors	Characteristics of three configuration CE, CB, CC
26.12.2019	21	Manneeta Singh	III	Transistors	Hybrid parameters, FET operation & characteristics
27.12.2019	22	Manneeta Singh	III	Transistors	MOSFET operation and characteristics, FET
				& MOSFET	
28.12.2018	37	Manneeta Singh	I	Cryogenics	Refrigeration, person plug experiment
30.12.2019	21	ABHISHEK VERMA.	II	General theory of image formation	Telephoto lens
31.12.2019		Manneeta Singh		Monthly Evaluation	
01.01.2020	23	Manneeta Singh	III	Modulation & Demodulation	Expression of AM, FM & PM waves
02.01.2020	24	Manneeta Singh	III	Modulation & Demodulation	Vander-Brij modulator, Linear diode detector
03.01.2020	25	Manneeta Singh	III	Radio transmitter & receiver	Super heterodyne receiver, AM transmitter
					Standard broadcast radio receiver, AVC
04.01.2020	38	ABHISHEK VERMA.	I	Cryogenics	Liquidification of air, H & He solidification of He
06.01.2020	22	ABHISHEK VERMA.	II	Formulas principle	Principle of extremum path
07.01.2020		ABHISHEK VERMA.		Class Teaching	
08.01.2020	26	Manneeta Singh	III	Amplifier & Oscillator	RC coupled Amplifier, FET Hybrid equivalent
					C.K.T ex BJT
09.01.2020	27	Manneeta Singh	III	Amplifier & Oscillator	Hartely & Colpits oscillator
10.01.2020	39	ABHISHEK VERMA.	I	Cryogenics	Adiabatic, demagnetisation of paramagnetic salt
11.01.2020	23	ABHISHEK VERMA.	II	Fermat's principle modulation	Aplanatic point
13.01.2020	18	Manneeta Singh	II	Diffraction grating	Diffraction due to two slit, h-parallel slit,
					grating
16.01.2020		Manneeta Singh		Class Teaching	

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