

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

कक्षा : बी.एस.सी. द्वितीय वर्ष		पाठ्यक्रम योजना : सत्र-2021-22			विषय : भौतिकी
दिनांक	व्याख्यान सं.	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
16.07.2021	1	S.K.Thakur	III	Introduction	List of book
17.07.2021	1	Abhishek Verma	II	Introduction	List of book
19.07.2021	1	Abhishek Verma	I	Kinetic theory of gases	Maxwell law of distribution of molecular speeds
20.07.2021		S.K.Thakur		Class Teaching	
22.07.2021	2	Abhishek Verma	III	Basic semiconductor physics	Energy band theory and energy band pictures of semiconductors
23.07.2021	1	S.K.Thakur	II	Interference of light	Superposition principle & young's double slit experient
24.07.2021	2	Abhishek Verma	II	Polarisation	Circularly and elliptically polarised light
26.07.2021	2	Abhishek Verma	I	Kinetic theory of gases	Law of equipartition of energy
27.07.2021	3	Abhishek Verma	I	Kinetic theory of gases	Specific heat of ideal gas
28.07.2021		Abhishek Verma		Class Teaching	
29.07.2021	3	Abhishek Verma	III	Basic semiconductor physics	Electron hole densities
30.07.2021	2	S.K.Thakur	II	Interference	Young's double slit
31.07.2021	3	Abhishek Verma	II	Polarisation	Brewster's law, law of malus
02.08.2021	4	Abhishek Verma	I	Kinetic theory of gases	Transport phenomenon
03.08.2021	5	Abhishek Verma	I	Kinetic theory of gases	Mean free path
04.08.2021		S.K.Thakur		Class Teaching	
05.08.2021	4	Abhishek Verma	III	Basic semiconductor physics	Electrical conductivity of intrinsic semiconductor
06.08.2021	3	S.K.Thakur	II	Interference	Coherence
07.08.2021	4	S.K.Thakur	II	Polarisation	Double refraction
09.08.2021	6	Abhishek Verma	I	Kinetic theory of gases	Viscosity and diffusion
10.08.2021	7	Abhishek Verma	I	Equation of states	Andrew's experiment
11.08.2021		Abhishek Verma		Class Teaching	
12.08.2021	5	Abhishek Verma	III	Basic semiconductor physics	Electrical conductivity of extrinsic semiconductor
14.08.2021	7	S.K.Thakur	II	Interference	Fresnel Biprism
16.08.2021	5	Abhishek Verma	II	Polarisation	Huygen's theory of double refraction
17.08.2021	9	Abhishek Verma	I	Equation of states	Specific heat of saturated vapour
18.08.2021	9	Abhishek Verma	I	Equation of states	Vanderwalls equation of state
20.08.2021		S.K.Thakur		Class Teaching	
21.08.2021	6	Maneeta Singh	III	Basic semiconductor physics	Minority and majority charge carriers
23.08.2021	5	S.K.Thakur	II	Interference	Fringes of equal thickness
24.08.2021	6	Abhishek Verma	II	Polarisation	Nicol Prism, Double Image prism
25.08.2021	10	Abhishek Verma	I	Equation of states	Boyle's temperature
26.08.2021	11	Abhishek Verma	I	Equation of states	Critical constants
27.08.2021		Abhishek Verma		Monthly evaluation	
31.08.2021	7	Abhishek Verma	III	Basic semiconductor physics	Drift and diffusion currents continuity equation

01.09.2021	6	S.K.Thakur	II	Interference	Newton's ring
02.09.2021	7	Abhishek Verma	II	Polarisation	Optical rotation
03.09.2021	12	Abhishek Verma	I	Thermodynamics and entropy	Reversible and irreversible process
04.09.2021	13	Abhishek Verma	I	Thermodynamics and entropy	Carnot's theorem
06.09.2021		Abhishek Verma		Class Teaching	
07.09.2021	8	Abhishek Verma	III	Digital electronics conversion	Decimal and binary numbers systems and their
08.09.2021	7	S.K.Thakur	II	Interference	Michelson interferometer
09.09.2021	8	Abhishek Verma	II	Polarisation	Polarimeter
10.09.2021	14	Abhishek Verma	I	Thermodynamics & entropy	Absolute scales of temperature
11.09.2021	15	Abhishek Verma	I	Thermodynamics & entropy	Second law of thermodynamics
13.09.2021		Abhishek Verma		Class Teaching	
14.09.2021	9	Abhishek Verma	III	Digital electronics	Boolean Algebra
15.09.2021	8	S.K.Thakur	II	Interference	Uses of Michelson interferometer
16.09.2021	1	S.K.Thakur	II	Aberration in images	Introduction, chromatic aberration
18.09.2021	16	Abhishek Verma	I	Thermodynamics & entropy	Entropy and its physical significance
20.09.2021	17	Abhishek Verma	I	Thermodynamics & entropy	Entropy of simple reversible process
21.09.2021		S.K.Thakur		Class Teaching	
22.09.2021	10	Maneeta Singh	III	Digital electronics	De Morgan's theorem, logic gates AND, OR Gates
23.09.2021	9	S.K.Thakur	II	Interference	Intensity distribution in multiple beam
25.09.2021	1	S.K.Thakur	II	Aberration in images	Monochromatic aberration
27.09.2021	18	Abhishek Verma	I	Thermodynamics & entropy	Entropy of irreversible process
29.09.2021	19	Abhishek Verma	I	Maxwell theory of dynamic relation	Maxwell thermodynamical relations
30.09.2021		Abhishek Verma		Monthly Evaluation	
01.10.2021	11	Abhishek Verma	III	Digital electronics	NOT, NAND, NOR, XNOR gates
04.10.2021	10	S.K.Thakur	II	Interference	Fabry-Perot Interferometer
05.10.2021	1	S.K.Thakur	II	Aberration in images	Spherical aberration
07.10.2021	20	Abhishek Verma	I	Maxwell thermodynamic relation	Application of Maxwell thermodynamical relation
08.10.2021	21	Abhishek Verma	I	Maxwell thermodynamical relation	Clausius - Clapeyron equation
09.10.2021		Abhishek Verma		Class Teaching	
11.10.2021	12	Abhishek Verma	III	Digital electronics	Universal of NOR & NAND Gates
18.10.2021	11	S.K.Thakur	II	Interference	Tolansky fringes
20.10.2021	2	S.K.Thakur	II	Aberration in images	Achromatic combination of lenses
21.10.2021	22	Abhishek Verma	I	Maxwell thermodynamics relations	Tds equations

22.10.2021	23	Abhishek Verma	I	Maxwell thermodynamic relations	Joule-Thomson effect
23.10.2021		Abhishek Verma		Class Teaching	
25.10.2021	13	Abhishek Verma	III	p-n junction	Built in potential, width & capacitance of depletion region
26.10.2021	3	S.K.Thakur	II	Fresnel diffraction	Zone's plate
27.10.2021	4	S.K.Thakur	II	Aberration in images	Schmidt corrector hata immersion objective
28.10.2021	24	Abhishek Verma	I	Maxwell thermodynamical relations	Internal energy equation
29.10.2021	25	Abhishek Verma	I	Maxwell thermodynamical relations	Specific heat equations
30.10.2021		Abhishek Verma		Monthly evaluation	
08.11.2021	14	Abhishek Verma	III	p-N junction	Current in biased p-n junction
09.11.2021	5	S.K.Thakur	II	Fresnel Diffraction	Circular aperature
11.11.2021		S.K.Thakur	II	Optical instruments	Entrance and exit pupils
12.11.2021	26	Abhishek Verma	I	Maxwell thermodynamical relations	Magneto-caloric effect, reversible electrolytic
12.11.2021	27	Abhishek Verma	I	Coduction	Recatilinear flow of heat
13.11.2021		Abhishek Verma		Class Teaching	
16.11.2021	15	Abhishek Verma	III	p-n junction	Varaetor diode, zoner diode and its characteritics
17.11.2021	6	S.K.Thakur	II	Fresnel diffraction	Straight edge, reatillinear propogation
18.11.2021	7	S.K.T.	II	Optical instruments	Multiple lens eyepiece
20.11.2021	28	Abhishek Verma	I	Conduction	Acceleration of ice at the surface of ponds
22.11.2021	29	Abhishek Verma	I	Conduction	Coductivity of bad conductors
23.11.2021		Abhishek Verma		Class Teaching	
25.11.2021	16	Abhishek Verma	III	p-n function	Zener breakdown mechanism
26.11.2021	8	S.K.Thakur	II	Fraunhoffer diffraction	Diffraction due to one slit
27.11.2021	9	S.K.Thakur	II	Optical instruments	Huyggen's eyepiece
29.11.2021	30	Abhishek Verma	I	Radiations	Black body radiation
30.11.2021		Abhishek Verma		Monthly Evaluation	
01.12.2021	31	Abhishek Verma	I	Radiations	Kirchoff's law & its application
02.12.2021	17	Abhishek Verma	III	p-n junction	Photo diode & solar cell
03.12.2021	10	S.K.Thakur	II	Fraunhoffer diffraction	Circular aperture & circular disc
07.12.2021	11	S.K.Thakur	II	Optical instruments	Ramsden eyepiece
08.12.2021	32	Abhishek Verma	I	Radiation	Pressure and energy density
09.12.2021	33	Abhishek Verma	I	Radiation	Stefan boltzmans law
11.12.2021		Abhishek Verma		Class Teaching	
13.12.2021	18	Abhishek Verma	III	Transistors	p-n-p & n-p-n transistor
14.12.2021	12	S.K.Thakur	II	Fraunhoffer diffraction	Resolution, Rayleigh criteria

15.12.2021	13	S.K.Thakur	II	General theory of image formation	Principal points and principal plane
16.12.2021	34	Abhishek Verma	I	Radiations	Spectral distribution solar constant
17.12.2021	35	Abhishek Verma	I	Radiations	Wien's law, rayleigh Jeans law
18.12.2021		Abhishek Verma		Class Teaching	
20.12.2021	19	Abhishek Verma	III	Transistors	Potential divider biasing of transistors
21.12.2021	14	S.K.Thakur	II	E.H. diffraction	Resolving power of human eye, grating, prism, microscope
22.12.2021	15	S.K.Thakur	II	General theory of image formation	Nodal points
23.12.2021	16	S.K.Thakur	II	General theory of image formation	Thickens & lens combination
24.12.2021		Abhishek Verma		Class Teaching	
27.12.2021		Abhishek Verma		Monthly Evaluation	
28.12.2021	20	Abhishek Verma	III	Transistors	Characteristics of three configuration CE, CB, CC
29.12.2021	21	Abhishek Verma	III	Transistors	Hybrid parameters, FET operation & characteristics
30.12.2021	22	Abhishek Verma	III	Transistors	MOSFET operation and characteristics, FET & MOSFET
31.12.2021	36	Abhishek Verma	I	Cryogenics	Refrigeration, person plug experiment
01.01.2022	17	S.K.Thakur	II	General theory of image formation	Telephoto lens
03.01.2022	37	Abhishek Verma	I	Radiations	Planks Hypothesis and its Application
04.01.2022	23	S.K.Thakur	III	Modulation & Demodulation	Expression of AM, FM & PM waves
05.01.2022	24	S.K.Thakur	III	Modulation & Demodulation	Vander-Brij modulator, Linear diode detector
06.01.2022	25	Abhishek Verma	III	Radio transmitter & receiver	Super heterodyne receiver, AM transmitter Standard broadcast radio receiver, AVC
07.01.2022	38	Abhishek Verma	I	Cryogenics	Liquification of air, H & He solidification of He
08.01.2022	9	S.K.Thakur	II	Fermat's principle	Principle of extremum path
10.01.2022		Abhishek Verma		Class Teaching	
11.01.2021	26	S.K.Thakur	III	Amplifier & Oscillator	RC coupled Amplifier, FET Hybrid equivalent C.K.T. of BJT
12.01.2022	27	S.K.Thakur	III	Amplifier & Oscillator	Hartley & Colpitts oscillator
13.01.2022	39	Abhishek Verma	I	Cryogenics	Adiabatic, demagnetisation of paramagnetic salt
17.01.2022	10	S.K.Thakur	II	Fermat's principle modulation	Aplanatic point
18.01.2022	18	S.K.Thakur	II	Diffraction grating	Diffraction due to two slit, h-parallel slit, grating
19.01.2022		Abhishek Verma		Class Teaching	
20.01.2022	19	S.K.Thakur	II	E.H. diffraction	Resolving power of human eye, grating prism, microscope
21.01.2022	11	Abhishek Verma	II	General theory of image formation	Nodal points

22.01.2022	12	Abhishek Verma	II	General theory of image formation	Thickens & lens combination
24.01.2022		Abhishek Verma	I	Radiations	Plancks hypothesis and its applications
27.01.2022		Abhishek Verma		Monthly Evaluation	
28.01.2022	20	S.K.Thakur	III	Transistors	Characteristics of three configuration CE, CB, CC
29.01.2022	21	S.K.Thakur	III	Transistors	Hybrid parameters, FEr operat one & characteristics
30.01.2022	21	S.K.Thakur	III	Transistors	Hybrid parameters, FEr operat one & characteristics
	31	S.K.Thakur	III	Revision	Revision
		Abhishek Verma	II	Revision	Revision
		Abhishek Verma	II	Revision	Revision
		Abhishek Verma	II	Revision	Revision