

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
16.07.2015	1	Maneeta Singh	III	Introduction	List of book
20.07.2015	1	Maneeta Singh	II	Introduction	List of book
21.07.2015	1	Amit Mishra	II	Introduction	List of book
22.07.2015	1	Amit Mishra	I	Introduction	List of book
23.07.2015	2	Amit Mishra	I	Kinetic theory of gases	Maxwell law of distribution of molecular speeds
24.07.2015		Maneeta Singh		Class Teaching	
25.07.2015	2	Maneeta Singh	III	Basic semicond uctor physics	Energy band theory and energy band pictures of semiconductors
27.07.2015	2	Maneeta Singh	II	Interferenec of light	Superposition principle & young's double slit
28.07.2015	2	Amit Mishra	II	Polarisation	Circularly and elliptically polarised light
29.07.2015	3	Amit Mishra	I	Kinetic theory of gases	Law of equipartition energy
30.07.2015	4	Amit Mishra	I	Kinetic theory of gases	Specific heat of ideal gas
31.07.2015		Maneeta Singh		Class Teaching	
01.08.2015	3	Maneeta Singh	III	Basic seminconduct or physics	Electron hole densities
03.08.2015	3	Maneeta Singh	II	Interference	Young's double slit
04.08.2015	3	A.K.M.	II	Polarisation	Brewster's law, law of malus
05.08.2015	5	A.K.M.	I	Kinetic theory of gases	Transport phenomenon
06.08.2015	6	A.K.M.	I	Kinetic theory of gases	Mean free path
07.08.2015		Maneeta Singh		Class Teaching	
08.08.2015	4	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of intrinsic semiconductor
10.08.2015	4	Maneeta Singh	II	Interference	Coherence
11.08.2015	4	A.K.M.	II	Polarisation	Double refraction
12.08.2015	7	A.K.M.	I	Kinetic theory of gases	Viscosity and diffusion
13.08.2015	8	A.K.M.	I	Equation of states	Andrew's experiment
14.08.2015		Maneeta Singh		Class Teaching	
17.08.2015	5	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of extrinsic semiconductor
18.08.2015	5	Maneeta Singh	II	Interference	Fresnel Biprism
20.08.2015	5	A.K.M.	II	Polarisation	Huygen's theory of double refraction
21.08.2015	9	A.K.M.	I	Equation of states	Specific heat of saturated vapour

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22.08.2015	10	A.K.M.	I	Equation of states	Vanderwalls equation of state
23.08.2015		Maneeta Singh		Monthly Evaluation	
24.08.2015	6	Maneeta Singh	III	Basic semiconduct for physics	Minority and majority charge carriers
25.08.2015	6	Maneeta Singh	II	Interference	Fringes of equal thickness
26.08.2015	6	A.K.M.	II	Polarisation	Nicol Prism, Double Image prism
27.08.2015	11	A.K.M.	I	Equation of states	Boyle's temperature
31.08.2015	12	A.K.M.	I	Equation of states	Critical constants
01.09.2015		Maneeta Singh		Class Teaching	
03.09.2015	7	Maneeta Singh	III	Basic semiconductor physics	Drift and duffusion currents continuity equation
04.09.2015	7	Maneeta Singh	II	Interference	Newton's ring
07.09.2015	7	A.K.M.	II	Polarisation	Optical rotation
08.09.2015	13	A.K.M.	I	Thermodynamics and entropy	Resersibie and irreversible process
09.09.2015	14	A.K.M.	I	Thermodynamics and entropy	Comot's theorem
10.09.2015		Maneeta Singh		Class Teaching	
11.09.2015	8	Maneeta Singh	II	Digital electronics	Decimal and binary numbers systems and their conversion
12.09.2015	8	Maneeta Singh	II	Interference	Michelson interferometer
14.09.2015	8	A.K.M.	II	Polarisation	Polarimeter
15.09.2015	15	A.K.M.	I	Thermodynamics & entropy	Absolute seals of temperature
16.09.2015	16	A.K.M.	I	Thermodynamics & entropy	Second law of thermodynamics
18.09.2015		Maneeta Singh		Class Teaching	
19.09.2015	9	Maneeta Singh	III	Digital eletronics	Bodean Algebra
21.09.2015	9	Maneeta Singh	II	Interference	Uses of Michelson interferometer
22.09.2015	10	A.K.M.	II	Aberration in images	Introduction, chromatic aberration
23.09.2015	17	A.K.M.	I	Thermodynamics & entropy	Entropy and its physical significance
24.09.2015	18	A.K.M.	I	Thermodynamics & entropy	Entropy of simple reversible process
26.09.2015		Maneeta/Amit		Monthly Evaluation	
28.09.2015	10	Maneeta Singh	III	Digital electronics	Demorgen is theorem, logic gates AND, OR Gates
29.09.2015	10	Maneeta Singh	II	Interference	Intensity distribution in multiple beam
01.10.2015	11	A.K.M.	II	Aberration in images	Monochromatic aberration

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03.10.2015	19	A.K.M.	I	Thermodynamics & entroy	Entropy of irreversible process
05.10.2015	20	A.K.M.	I	Maxwell theory of dynamic relation	Maxwell thermodynamical relations
06.10.2015		Maneeta Singh		Class Teaching	
07.10.2015	11	Maneeta Singh	III	Digital electronics	NOT, NAND, NOR, XNOR gates
08.10.2015	11	Maneeta Singh	II	Interference	Fabry-Perot Interafero meter
09.10.2015	12	A.K.M.	II	Aberration in images	Spherical aberration
10.10.2015	21	A.K.M.	I	Maxwell thermodynamic relation	Application of Maxwell thermodynamical relations
14.10.2015	22	A.K.M.	I	Maxwell thermodynamical relation	Claus us - clapeyron equation
15.10.2015		Maneeta/Amit		Class Teaching	
16.10.2015	12	Maneeta Singh	III	Digital eletronics	University of NOR & NAND Gates
17.10.2015	12	Maneeta Singh	II	Interference	Tolanskey fringes
19.10.2015	13	A.K.M.	II	Aberration in images	Achromatic combination of lenses
28.10.2015	23	A.K.M.	I	Maxwell thermodynamics relations	Tds equations
29.10.2015	24	A.K.M.	I	Maxwell thermodynamic relations	Joule-Thomson effect
30.10.2015		A.K.M.		Evaluation	
31.10.2015	13	Maneeta Singh	III	p-n junction	Built in potential, width & capevitanace of depletion region
02.11.2015	13	Maneeta Singh	II	Fresnel diffraction	Zone's plate
03.11.2015	14	A.K.M.	II	Abervration in images	Schmidt corrector hata immersion objective
04.11.2015	25	A.K.M.	I	Maxwell thermodynamical relations	Internal energy equation
05.11.2015	26	A.K.M.	I	Maxwell thermodynamical relations	Specific heat equations
06.11.2015		A.K.M.		Class Teaching	
07.11.2015	14	Maneeta Singh	III	p-N junction	Current in biased p-n junction

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14.11.2015	14	Maneeta Singh	II	Fresnel Diffraction	Circular aperture
16.11.2015	15	A.K.M.	II	Optical instruments	Entrance and exit pupils
18.11.2015	27	A.K.M.	I	Maxwell thermodynamical relations	Magneto-caloric effect, reversible electrolytic cell
19.11.2015	28	A.K.M.	I	Conduction	Rectilinear flow of heat
20.11.2015		A.K.M.		Class Teaching	
21.11.2015	15	Maneeta Singh	III	p-n junction	Varactor diode, Zener diode and its characteristics
23.11.2015	15	Maneeta Singh	II	Fresnel diffraction	Straight edge, rectilinear propagation
24.11.2015	16	A.K.M.	II	Optical instruments	Multiple lens eyepiece
25.11.2015	29	A.K.M.	I	Conduction	Acceleration of ice at the surface of ponds
26.11.2015	30	A.K.M.	I	Conduction	Conductivity of bad conductors
27.11.2015		Maneeta/Amit		Monthly Evaluation	
28.11.2015	16	Maneeta Singh	III	p-n function	Zener breakdown mechanism
30.11.2015	16	Maneeta Singh	II	Fraunhofer diffraction	Diffraction due to one slit
01.12.2015	17	A.K.M.	II	Optical instruments	Huygen's eyepiece
03.12.2015	31	A.K.M.	I	Radiations	Black body radiation
07.12.2015	32	A.K.M.	I	Radiations	Kirchoff's law & its application
08.12.2015				Class Teaching	
09.12.2015	17	Maneeta Singh	III	p-n junction	Photo diode & solar cell
11.12.2015	17	Maneeta Singh	II	Fraunhofer diffraction	Circular aperture & circular disc
12.12.2015	18	A.K.M.	II	Optical instruments	Ramsden eyepiece
14.12.2015	33	A.K.M.	I	Radiation	Pressure and energy density
15.12.2015	34	A.K.M.	I	Radiation	Stefan Boltzmann's law
16.12.2015		A.K.M.		Class Teaching	
17.12.2015	18	Maneeta Singh	III	Transistors	p-n-p & n-p-n transistor
18.12.2015	18	Maneeta Singh	II	Fraunhofer diffraction	Resolution, Rayleigh criteria
19.12.2015	19	A.K.M.	II	General theory of image formation	Principal points and principal plane
21.12.2015	35	A.K.M.	I	Radiations	Spectral distribution solar constant
22.12.2015	36	A.K.M.	I	Radiations	Wien's law, Rayleigh Jeans law
28.12.2015		Maneeta/Amit		Evaluation	

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29.12.2015	19	Maneeta Singh	III	Transistors	Potential divider biasing of transistors
30.12.2015	19	Maneeta Singh	II	E.H. diffraction	Resolving power of human eye, grating, prism, microscope
31.12.2015	20	A.K.M.	II	General theory of image formation	Nodal points
01.01.2016	21	A.K.M.	II	General theory of image formation	Thickens & lens combination
02.01.2016	37	A.K.M.	I	Radiations	Plancks hypothesis and its applications
04.01.2016		A.K.M.		Class Teaching	
06.01.2016	20	Manneeta Singh	III	Transistors	Characteristics of three configuration CE, CB, CC
07.01.2016	21	Manneeta Singh	III	Transistors	Hybrid parameters, FET operation & characteristics
08.01.2016	22	Manneeta Singh	III	Transistors	MOSFET operation and characteristics, FET & MOSFET
09.01.2016	1	Manneeta Singh	I	Cryogenics	Refrigeration, person plug experiment
11.01.2016	20	A.K.M.	II	General theory of image formation	Telephoto lens
12.01.2016		Manneeta Singh		Class Teaching	
13.01.2016	23	Manneeta Singh	III	Modulation & Demodulation	Expression of AM, FM & PM waves
16.01.2016	24	Manneeta Singh	III	Modulation & Demodulation	Vander-Brij modulator, Linear diode detector
18.01.2016	25	Manneeta Singh	III	Radio transmitter & receiver	Super heterodyne receiver, AM transmitter Standard broadcast radio receiver, AVC
19.01.2016	38	A.K.M.	I	Cryogenics	Liquification of air, H & He solidification of He
20.01.2016	22	A.K.M.	II	Formal principle	Principle of extremum path
21.01.2016		A.K.M.		Class Teaching	
22.01.2016	26	Manneeta Singh	III	Amplifier & Oscillator	RC coupled Amplifier, FET Hybrid equivalent C.K.T c _x BJT
23.01.2016	27	Manneeta Singh	III	Amplifier & Oscillator	Hartely & Colpits oscillator
25.01.2016	39	A.K.M.	I	Cryogenics	Adiabatic, demagnetisation of paramagnetic salt
27.01.2016	23	A.K.M.	II	Fermat's principle modulation	Aplanatic point
28.01.2016	28	Manneeta Singh	II	Diffraction grating	Diffraction due to two slit, h-parallel slit, grating
29.01.2016		Manneeta Singh		Monthly Evaluation	