

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

कक्षा : बी.एस-सी. भाग-दो			पाठ्यक्रम योजना : सत्र २०१४-२०१५		विषय : भौतिकी
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
16.07.2014	1	Maneeta Singh	III	Introduction	List of book
17.07.2014	1	Maneeta Singh	II	Introduction	List of book
18.07.2014	1	Amit Mishra	II	Introduction	List of book
19.07.2014	1	Amit Mishra	I	Introduction	List of book
21.07.2014	2	Amit Mishra	I	Kinetic theory of gases	Maxwell law of distribution of molecular speeds
22.07.2014		Maneeta Singh		Class Teaching	
23.07.2014	2	Maneeta Singh	III	Basic semicond uctor physics	Energy band theory and energy band pictures of semiconductors
24.07.2014	2	Maneeta Singh	II	Interferenec of light	Superposition principle & young's double slit
26.07.2014	2	Amit Mishra	II	Polarisation	Circularly and elliptically polarised light
28.07.2014	3	Amit Mishra	I	Kinetic theory of gases	Law of equipartition energy
30.07.2014	4	Amit Mishra	I	Kinetic theory of gases	Specific heat of ideal gas
31.07.2014		Maneeta Singh		Class Teaching	
02.08.2014	3	Maneeta Singh	III	Basic seminconduct or physics	Electron hole densities
04.08.2014	3	Maneeta Singh	II	Interference	Young's double slit
05.08.2014	3	A.K.M.	II	Polarisation	Brewster's law, law of malus
06.08.2014	5	A.K.M.	I	Kinetic theory of gases	Transport phenomenon
07.08.2014	6	A.K.M.	I	Kinetic theory of gases	Mean free path
08.08.2014		Maneeta Singh		Class Teaching	
09.08.2014	4	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of intrinsic semiconductor
11.08.2014	4	Maneeta Singh	II	Interference	Coherence
12.08.2014	4	A.K.M.	II	Polarisation	Double refraction
13.08.2014	7	A.K.M.	I	Kinetic theory of gases	Viscosity and diffusion
14.08.2014	8	A.K.M.	I	Equation of states	Andrew's experiment
16.08.2014		Maneeta Singh		Class Teaching	
19.08.2014	5	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of extrinsic semiconductor
20.08.2014	5	Maneeta Singh	II	Interference	Fresnel Biprism
21.08.2014	5	A.K.M.	II	Polarisation	Huygen's theory of double refraction
22.08.2014	9	A.K.M.	I	Equation of states	Specific heat of saturated vapour

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23.08.2014	10	A.K.M.	I	Equation of states	Vanderwalls equation of state
25.08.2014		Maneeta Singh		Monthly Evaluation	
26.08.2014	6	Maneeta Singh	III	Basic semiconduct for physics	Minority and majority charge carriers
27.08.2014	6	Maneeta Singh	II	Interference	Fringes of equal thickness
28.08.2014	6	A.K.M.	II	Polarisation	Nicol Prism, Double Image prism
29.08.2014	11	A.K.M.	I	Equation of states	Boyle's temperature
30.08.2014	12	A.K.M.	I	Equation of states	Critical constants
01.09.2014		Maneeta Singh		Class Teaching	
02.09.2014	7	Maneeta Singh	III	Basic semiconductor physics	Drift and duffusion currents continuity equation
03.09.2014	7	Maneeta Singh	II	Interference	Newton's ring
04.09.2014	7	A.K.M.	II	Polarisation	Optical rotation
05.09.2014	13	A.K.M.	I	Thermodynamics and entropy	Resersibie and irreversible process
06.09.2014	14	A.K.M.	I	Thermodynamics and entropy	Comot's theorem
10.09.2014		Maneeta Singh		Class Teaching	
12.09.2014	8	Maneeta Singh	II	Digital electronics	Decimal and binary numbers systems and their conversion
13.09.2014	8	Maneeta Singh	II	Interference	Michelson interferometer
16.09.2014	8	A.K.M.	II	Polarisation	Polarimeter
18.09.2014	15	A.K.M.	I	Thermodynamics & entropy	Absolute seals of temperature
19.09.2014	16	A.K.M.	I	Thermodynamics & entropy	Second law of thermodynamics
20.09.2014		Maneeta Singh		Class Teaching	
22.09.2014	9	Maneeta Singh	III	Digital eletronics	Bodean Algebra
24.09.2014	9	Maneeta Singh	II	Interference	Uses of Michelson interferometer
26.09.2014	10	A.K.M.	II	Aberration in images	Introduction, chromatic aberration
27.09.2014	17	A.K.M.	I	Thermodynamics & entropy	Entropy and its physical significance
29.09.2014	18	A.K.M.	I	Thermodynamics & entropy	Entropy of simple reversible process
30.09.2014		Maneeta/Amit		Monthly Evaluation	
01.10.2014	10	Maneeta Singh	III	Digital electronics	Demorgen is theorem, logic gates AND, OR Gates
07.10.2014	10	Maneeta Singh	II	Interference	Intensity distribution in multiple beam
09.10.2014	11	A.K.M.	II	Aberration in images	Monochromatic aberration

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10.10.2014	19	A.K.M.	I	Thermodynamics & entroy	Entropy of irreversible process
11.10.2014	20	A.K.M.	I	Maxwell theory of dynamic relation	Maxwell thermodynamical relations
13.10.2014		Maneeta Singh		Class Teaching	
14.10.2014	11	Maneeta Singh	III	Digital electronics	NOT, NAND, NOR, XNOR gates
15.10.2014	11	Maneeta Singh	II	Interference	Fabry-Perot Interafero meter
16.10.2014	12	A.K.M.	II	Aberration in images	Spherical aberration
17.10.2014	21	A.K.M.	I	Maxwell thermodynamic relation	Application of Maxwell thermodynamical relations
18.10.2014	22	A.K.M.	I	Maxwell thermodynamical relation	Claus us - clapeyron equation
27.10.2014		Maneeta/Amit		Monthly Evaluation	
28.10.2014	12	Maneeta Singh	III	Digital eletronics	University of NOR & NAND Gates
30.10.2014	12	Maneeta Singh	II	Interference	Tolanskey fringes
31.10.2014	13	A.K.M.	II	Aberration in images	Achromatic combination of lenses
01.11.2014	23	A.K.M.	I	Maxwell thermodynamics relations	Tds equations
07.11.2014	24	A.K.M.	I	Maxwell thermodynamic relations	Joule-Thomson effect
08.11.2014		A.K.M.		Class Teaching	
10.11.2014	13	Maneeta Singh	III	p-n junction	Built in potential, width & capevitanace of depletion region
11.11.2014	13	Maneeta Singh	II	Fresnel diffraction	Zone's plate
12.11.2014	14	A.K.M.	II	Abervration in images	Schmidt corrector hata immersion objective
13.11.2014	25	A.K.M.	I	Maxwell thermodynamical relations	Internal energy equation
14.11.2014	26	A.K.M.	I	Maxwell thermodynamical relations	Specific heat equations
15.11.2014		A.K.M.		Class Teaching	
17.11.2014	14	Maneeta Singh	III	p-N junction	Current in biased p-n junction

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18.11.2014	14	Maneeta Singh	II	Fresnel Diffraction	Circular aperture
19.11.2014	15	A.K.M.	II	Optical instruments	Entrance and exit pupils
20.11.2014	27	A.K.M.	I	Maxwell thermodynamical relations	Magneto-caloric effect, reversible electrolytic cell
21.11.2014	28	A.K.M.	I	Conduction	Rectilinear flow of heat
22.11.2014		A.K.M.		Monthly Evaluation	
25.11.2014	15	Maneeta Singh	III	p-n junction	Varactor diode, Zener diode and its characteristics
26.11.2014	15	Maneeta Singh	II	Fresnel diffraction	Straight edge, rectilinear propagation
27.11.2014	16	A.K.M.	II	Optical instruments	Multiple lens eyepiece
28.11.2014	29	A.K.M.	I	Conduction	Acceleration of ice at the surface of ponds
29.11.2014	30	A.K.M.	I	Conduction	Conductivity of bad conductors
01.12.2014		Maneeta/Amit		Class Teaching	
02.12.2014	16	Maneeta Singh	III	p-n junction	Zener breakdown mechanism
03.12.2014	16	Maneeta Singh	II	Fraunhofer diffraction	Diffraction due to one slit
06.12.2014	17	A.K.M.	II	Optical instruments	Huygen's eyepiece
08.12.2014	31	A.K.M.	I	Radiations	Black body radiation
09.12.2014	32	A.K.M.	I	Radiations	Kirchoff's law & its application
11.12.2014				Class Teaching	
12.12.2014	17	Maneeta Singh	III	p-n junction	Photo diode & solar cell
15.12.2014	17	Maneeta Singh	II	Fraunhofer diffraction	Circular aperture & circular disc
16.12.2014	18	A.K.M.	II	Optical instruments	Ramsden eyepiece
17.12.2014	33	A.K.M.	I	Radiation	Pressure and energy density
18.12.2014	34	A.K.M.	I	Radiation	Stefan Boltzmann's law
19.12.2014		A.K.M.		Class Teaching	
20.12.2014	18	Maneeta Singh	III	Transistors	p-n-p & n-p-n transistor
22.12.2014	18	Maneeta Singh	II	Fraunhofer diffraction	Resolution, Rayleigh criteria
23.12.2014	19	A.K.M.	II	General theory of image formation	Principal points and principal plane
24.12.2014	35	A.K.M.	I	Radiations	Spectral distribution solar constant
26.12.2014	36	A.K.M.	I	Radiations	Wien's law, Rayleigh Jeans law
27.12.2014		Maneeta/Amit		Class Teaching/Evaluation	

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29.12.2014	19	Maneeta Singh	III	Transistors	Potential divider biasing of transistors
30.12.2014	19	Maneeta Singh	II	E.H. diffraction	Resolving power of human eye
31.12.2014	20	A.K.M.	II	General theory of image formation	Nodal points
01.01.2015	21	A.K.M.	II	General theory of image formation	Thick lens & lens combination
02.01.2015	37	A.K.M.	I	Radiations	Planck's hypothesis and its applications
03.01.2015		A.K.M.		Class Teaching	
06.01.2015	20	Manneeta Singh	III	Transistors	Characteristics of three configuration CE, CB, CC
07.01.2015	21	Manneeta Singh	III	Transistors	Hybrid parameters, FET operation & characteristics
08.01.2015	22	Manneeta Singh	III	Transistors	MOSFET operation and characteristics
09.01.2015	1	Manneeta Singh	I	Cryogenics	Refrigeration, Carnot cycle experiment
10.01.2015	20	Manneeta Singh	II	General theory of image formation	Telephoto lens
12.01.2015		Manneeta Singh		Class Teaching	
13.01.2015	23	Manneeta Singh	III	Transistors	Parameters of FET & MOSFET
17.01.2015	24	Manneeta Singh	III	Modulation & Demodulation	Definition of three kinds of modulation
19.01.2015	25	Manneeta Singh	III	Modulation & Demodulation	Expression for AM waves
20.01.2015	38	A.K.M.	I	Cryogenics	Liquidification of air, H ₂ & He solidification of He
21.01.2015	22	A.K.M.	II	Fermat's principle	Principle of extremum path
22.01.2015		A.K.M.		Class Teaching	
23.01.2015	26	Manneeta Singh	III	Modulation & demodulation	Expression for FM waves
27.01.2015	27	Manneeta Singh	III	Modulation & demodulation	Vander-Bij modulator
28.01.2015					
29.01.2015	39	A.K.M.	I	Cryogenics	Adiabatic, demagnetisation of paramagnetic salt
29.01.2015	23	A.K.M.	II	Fermat's principle modulation	Aplanatic point
30.01.2015	28	Manneeta Singh		Modulation & demodulation	Linear diode detector
31.01.2015	28	Manneeta Singh		Monthly Evaluation	
02.02.2015	29	Manneeta Singh	III	Radio transmitter & receiver	Super heterodyne receiver, AM transmitter
03.02.2015	30	Manneeta Singh	III	Radio transmitter	Qualities of radio receiver
04.02.2015	21	Manneeta Singh	II	F.H. diffraction	R.P. of telescope grating, prism & microscope
05.02.2015	24	A.K.M.	II	Fermat's principle	Application of Fermat's principle

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06.02.2015	31	Manneeta Singh	II	Radio transmitter receiver	Standard broadcast radio receiver
07.02.2015		Manneeta Singh		Class Teaching	
09.02.2015	32	Manneeta Singh	III	Radio transmitter receiver	Image frequency, AVC, tuning
10.02.2015	33	Manneeta Singh	III	Amplifiers & oscillator	Small signal hybrid equivalent circuit of BJT, Lctuned Hartely
11.02.2015	22	Manneeta Singh	II	Diffraction grating	Diffraction due to two slit, h-parallel slit, grating, concave grating
12.02.2015		A.K.M.		Class Teaching	
13.02.2015	34	Manneeta Singh	III	Amplifier & Oscillator	RC coupled CE amp. & its frequency & phase response
14.02.2015	35	Manneeta Singh	III	Amplifer & Oscillator	Amplifier circuit using FET