

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

कक्षा : बी.एस-सी. भाग-दो					विषय : भौतिकी
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
16.07.2013	1	Meneeta Singh	III	Introduction	List of book
17.07.2013	1	Meneeta Singh	II	Introduction	List of book
18.07.2013	1	Arvind Kumar	II	Introduction	List of book
19.07.2013	1	Arvind Kumar	I	Introduction	List of book
20.07.2013	2	Arvind Kumar	I	Kinetic theory of Gases	Maxwell law of distribution of molecular speeds
22.07.2013		Maneeta Singh		Class Teaching	
23.07.2013	2	Maneeta Singh	III	Basic semiconductor physics	Energy band theory and energy band pictures of semiconductor
24.07.2013	2	Maneeta Singh	II	Interference of light	Super position principle and young's double slit
25.07.2013	2	Arvind Kumar	II	Polarisation	Circularly and Elliptically polarised light
26.07.2013	3	Arvind Kumar	I	Kinetic theory of gases	Law of equipartition of energy
27.07.2013	4	Arvind Kumar	I	Kinetic theory of gases	Specific heat of ideal gas
29.07.2013		Maneeta Singh		Class Teaching	
30.07.2013	3	Maneeta Singh	III	Basic semiconductor physics	Electron hole densities
31.07.2013	3	Maneeta Singh	II	Interference	Young's double slit
01.08.2013	3	Arvind Kumar	II	Polarisation	Brewster's law, law of malus
03.08.2013	5	Arvind Kumar	I	Kinetic theory of gases	Transport phenomena
05.08.2013	6	Arvind Kumar	I	Kinetic theory of gases	Mean free path
06.08.2013		Maneeta Singh		Class Teaching	
07.08.2013	4	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of Intrinsic semiconductor
08.08.2013	4	Maneeta Singh	II	Interference	Coherence
10.08.2013	4	Arvind Kumar	II	Polarisation	Double refraction
12.08.2013	7	Arvind Kumar	I	Kinetic theory of gases	Viscosity and diffusion
13.08.2013	8	Arvind Kumar	I	Equation of states	Andrew's experiments
14.08.2013		Maneeta Singh		Class Teaching	
16.08.2013	5	Maneeta Singh	III	Basic semiconductor physics	Electrical conductivity of extrinsic semiconductor
17.08.2013	5	Maneeta Singh	II	Interference	Fresnel Biprism
19.08.2013	5	Arvind Kumar	II	Polarisation	Hygen's theory of double refraction
20.08.2013	9	Arvind Kumar	I	Equation of states	Specific heat of saturated vapour
22.08.2013	10	Arvind Kumar	I	Equation of states	Vander waal's equation of state

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23.08.2013		Maneeta Singh		Class Teaching	
24.08.2013	6	Maneeta Singh	III	Basic semiconductor physics	Minority and majority charge carriers
26.08.2013	6	Maneeta Singh	II	Interference	Fringes of equal thickness
27.08.2013	6	Arvind Kumar	II	Polarisation	Nical Prism, Double Image Prism
29.08.2013	11	Arvind Kumar	I	Equation of states	Boyle's temperature
30.08.2013	12	Arvind Kumar	I	Equation of states	Critical constants
31.08.2013		Maneeta/Arvind		Evaluation	
02.09.2013	7	Maneeta Singh	III	Basic semiconductor physics	Drift and diffusion currents, continuity equation
03.09.2013	7	Maneeta Singh	II	Interference	Newton's Ring
04.09.2013	7	Arvind Kumar	II	Polarisation	Optical rotation
05.09.2013	13	Arvind Kumar	I	Thermodynamics and entropy	Reversible and Irreversible process
06.09.2013	14	Arvind Kumar	I	Thermodynamics and entropy	Carnot's theorem
07.09.2013		Maneeta Singh		Class Teaching	
09.09.2013	8	Maneeta Singh	III	Digital Electronics	Decimal and Binary number system and their conversion
10.09.2013	8	Maneeta Singh	II	Interference	Michelson interferometer
11.09.2013	8	Arvind Kumar	II	Polarisation	Polarimeters
12.09.2013	15	Arvind Kumar	I	Thermodynamics and entropy	Absolute scale of temperature
13.09.2013	16	Arvind Kumar	I	Thermodynamics and entropy	Second law of thermodynamics
14.09.2013		Maneeta Singh		Class Teaching	
16.09.2013	9	Maneeta Singh	III	Digital electronics	Boolean Algebra
17.09.2013	9	Maneeta Singh	III	Interference	Uses of Michelson interferometer
20.09.2013	9	Arvind Kumar	II	Aberration in images	Introduction, chromatic aberration
21.09.2013	17	Arvind Kumar	I	Thermodynamics and entropy	Entropy and its physical significance
23.09.2013	18	Arvind Kumar	I	Thermodynamics and entropy	Entropy of simple reversible process
24.09.2013		Maneeta/Arvind		Evaluation	
25.09.2013	10	Maneeta Singh	III	Digital electronics	Demorgan's theorem, logic gates AND OR, gates
26.09.2013	10	Maneeta Singh	II	Interference	Intensity distribution in multiple beam
27.09.2013	10	Arvind Kumar	II	Aberration in images	Monochromatic aberration
28.09.2013	19	Arvind Kumar	I	Thermodynamics and entropy	Entropy of irreversible process

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30.09.2013	20	Arvind Kumar	I	Maxwell therodynamical relations	Maxwell thermodynamical relations
01.10.2013		Maneeta Singh		Class Teaching	
03.10.2013	11	Maneeta Singh	III	Digital electronics	NOT, NAND, NOR, XOR, XNOR
07.10.2013	11	Maneeta Singh	II	Interference	Fabry-Perot Interferometer
08.10.2013	11	Arvind Kumar	II	Aberration in images	Spherical aberration
09.10.2013	21	Arvind Kumar	I	Maxwell therodynamical relations	Application of maxwell thermodynamical relations
10.10.2013	22	Arvind Kumar	I	Maxwell therodynamical relations	Clausius-calpeyron equation
11.10.2013		Maneeta Singh		Class Teaching	
17.10.2013	12	Maneeta Singh	III	Digital electronics	Universality of NOR and NAND gates
19.10.2013	12	Maneeta Singh	II	Interference	Tolanskey fringes
21.10.2013	12	Arvind Kumar	II	Aberration in images	Actromatic combination of lenses
22.10.2013	23	Arvind Kumar	I	Maxwell therodynamical relations	Tds equations
23.10.2013	24	Arvind Kumar	I	Maxwell therodynamical relations	Joule-Thomson effect
24.10.2013		Arvind/Maneeta		Evaluation	
25.10.2013	13	Maneeta Singh	III	P-N junction	Built in potential, width and capacitance of depletion region
26.10.2013	13	Maneeta Singh	II	Fresnel diffraction	Zone's plate
28.10.2013	13	Arvind Kumar	II	Aberration in images	Schmidt corrector plates oil immersion objective
29.10.2013	25	Arvind Kumar	I	Maxwell therodynamical relations	Internal energy equation
30.10.2013	26	Arvind Kumar	I	Maxwell therodynamical relations	Specific heat equations
06.11.2013		Maneeta Singh		Class Teaching	
07.11.2013	14	Maneeta Singh	III	P-N junction	Current in Biased P-N junction
08.11.2013	14	Maneeta Singh	II	Fresnel diffraction	Circular aperture
09.11.2013	14	Arvind Kumar	II	Optical instruments	Entrance and exit pupils
11.11.2013	27	Arvind Kumar	I	Maxwell therodynamical relations	Magneto-caloric effect, reversible electrolytic cell
12.11.2013	28	Arvind Kumar	I	Conduction	Rectilinear flow of heat
15.11.2013		Maneeta Singh		Class Teaching	
16.11.2013	15	Maneeta Singh	III	P-N junction	Varactor diode, zener diode and its characteristic
18.11.2013	15	Maneeta Singh	II	Fresnel diffraction	Straight edge, rectilinear propagation
19.11.2013	15	Arvind Kumar	II	Optical instruments	Multiple lens eyepiece

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20.11.2013	29	Arvind Kumar	I	Conduction	Acceleration of ice at the surface of ponds
21.11.2013	30	Arvind Kumar	I	Conduction	Conductivity of bad conductors
22.11.2013		Maneeta Singh		Class Teaching	
23.11.2013	16	Maneeta Singh	III	P-N junction	Zener break down mechanism
25.11.2013	16	Maneeta Singh	II	Fraunhofer diffraction	Diffraction due to one slit
26.11.2013	16	Arvind Kumar	II	Optical instruments	Huygens eyepiece
27.11.2013	31	Arvind Kumar	I	Radiations	Black body radiation
28.11.2013	32	Arvind Kumar	I	Radiations	Kirchoff's law & its applications
29.11.2013		Arvind /Manneta		Evaluation	
30.11.2013	17	Maneeta Singh	III	P-N junction	Photo diode and solar cell
02.12.2013	17	Maneeta Singh	II	Fraun hoffer diffraction	Circular aperture and circular disc
03.12.2013	17	Arvind Kumar	II	Optical instruments	Ramsden eyepiece
06.12.2013	33	Arvind Kumar	I	Radiation	Pressure and energy density
07.12.2013	34	Arvind Kumar	I	Radiation	Stefan boltzmanns law
09.12.2013		Maneeta Singh		Class teaching	
11.12.2013	18	Maneeta Singh	III	Transistors	p-n-p and n-p-n transistor, current flow in transistor
12.12.2013	18	Maneeta Singh	II	Frauhoffer diffraction	Resolution, rayleigh criteria
13.12.2013	18	Arvind Kumar	II	General theory of image formation	Principal points and principal plane
14.12.2013	35	Arvind Kumar	I	Radiations	Spectral distribution, solar constant
16.12.2013	36	Arvind Kumar	I	Radiations	Wien's law, rayleigh-Jean's law
17.12.2013		Maneeta Singh		Class Teaching	
18.12.2013	19	Maneeta Singh	III	Transistors	Potential divider biasing of transistors
19.12.2013	19	Maneeta Singh	II	F.H. diffraction	Resolving power of human eye
20.12.2013	19	Arvind Kumar	II	General theory of image formation	Nodal points
21.12.2013	20	Arvind Kumar	II	General theory of image formation	Thick lens and lens combination
23.12.2013	37	Arvind Kumar	I	Radiations	Planck's hypothesis and its application
24.12.2013		Arvind/Maneeta		Evaluation	
26.12.2013	20	Maneeta Singh	III	Transistors	Characteristics of three configuration CEC, CBC, CCC
27.12.2013	21	Maneeta Singh	III	Transistors	Hybrid parameters, fet operation and characteristics
28.12.2013	22	Maneeta Singh	III	Transistors	Mosfet operation and characteristics

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30.12.2013	38	Arvind Kumar	I	Cryogenics	Refrigeration, porus-plug experiment
31.12.2013	21	Arvind Kumar	II	General theory of image formation	Telephoto lenses
01.01.2014		Arvind Kumar		Class Teaching	
02.01.2014	23	Maneeta Singh	III	Transistors	Parameters of fet and mosfet
04.01.2014	24	Maneeta Singh	III	Modulation & demodulation	Defination of three kinds of modulation
06.01.2014	25	Maneeta Singh	III	Modulation & demodulation	Expression for am waves
07.01.2014	39	Arvind Kumar	I	Cryogenics	Liquefaction of air, hydrogen & helium, solidification of helium
08.01.2014	22	Arvind Kumar	II	Fermat's principle	Principle of extremum path
09.01.2014		Arvind Kumar		Class Teaching	
10.01.2014	26	Maneeta Singh	III	Modulation & demodulation	Expression for fm waves
11.01.2014	27	Maneeta Singh	III	Modulation & demodulation	Expression for pm waves
13.01.2014	28	Maneeta Singh	III	Modulation & demodulation	Vander-Brijl modulator
15.01.2014	40	Arvind Kumar	I	Cryogenics	Adiabatic, demagnetisation of paramagnetic salt
16.01.2014	23	Arvind Kumar	II	Fermat's principle	Aplanatic points
17.01.2014		Maneeta Singh		Class Teaching	
18.01.2014	29	Maneeta Singh	III	Modulation & demodulation	Linear diode detector
20.01.2014	30	Maneeta Singh	III	Radio transmitter & receiver	Super heterodyne radio receiver, am transmitter
21.01.2014	31	Maneeta Singh	III	Radio transmitter & receiver	Qualities of radio receiver
22.01.2014	20	Maneeta Singh	II	F.H. diffraction	R.P. of telescope & microscope
23.01.2014	24	Arvind Kumar	II	Fermat's principle	Applications of fermat's principle
24.01.2014		Maneeta Singh		Class Teaching	
25.01.2014	32	Maneeta Singh	III	Radio transmitter & receiver	Standard broadcast radio receiver
27.01.2014	33	Maneeta Singh	III	Radio transmitter & receiver	Image frequency, avc, tuning
28.01.2014	34	Maneeta Singh	III	Amplifiers and oscillator	Small signal hybrid equivalent circuit of bjt
29.01.2014	21	Maneeta Singh	II	F.H. diffraction	Resolving of grating and prism
30.01.2014	25	Arvind Kumar	II	Syllabus	Topic & questions
31.01.2014		Arvind /Maneeta		Evaluation	
01.02.2014	35	Maneeta Singh	III	Amplifiers & oscillator	RC coupled CE amplifier & its frequency & phase response

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