

GOVT. WOMEN P.G. COLLEGE KANDHLA (SHAMLI), U.P.

Dept. of Physics

Session: 2019-20

Date: 26.04.2020

Schedule of Online Classes

Date	Time	Class	Paper/Unit	Topic
26.04.2020	01.00—02.00 pm	B.Sc. I	PaperII/UnitI	Kinetic model, deduction of Boyle's law
	02.00—03.00 pm	B.Sc. II	PaperII/UnitI	Coulomb's law, electric field and potentials
	03.00—04.00 pm	B.Sc. III	PaperII/UnitI	Lattice translation vectors and lattice, symmetry operations
27.04.2020	01.00—02.00 pm	B.Sc. I	PaperII/UnitI	Interpretation of temperature, estimation of r.m.s. speed of molecules
	02.00—03.00 pm	B.Sc. II	PaperII/UnitI	Field due to a uniform charged sphere, derivations of Poisson and Laplace equations
	03.00—04.00 pm	B.Sc. III	PaperII/UnitI	Basis and crystal structure, primitive lattice cell
28.04.2020	01.00—02.00 pm	B.Sc. I	PaperII/UnitI	Brownian motion, estimate of the Avogadro number,
	02.00—03.00 pm	B.Sc. II	PaperII/UnitI	The field of a conductor, Electric dipole
	03.00—04.00 pm	B.Sc. III	PaperII/UnitI	Two dimensional lattice types, systems
29.04.2020	01.00—02.00 pm	B.Sc. I	PaperII/UnitI	Equipartition of energy, specific heats of monoatomic gas
	02.00—03.00 pm	B.Sc. II	PaperII/UnitI	Field and potential due to an electric dipole, dipole approximation for an arbitrary charge distribution
	03.00—04.00 pm	B.Sc. III	PaperII/UnitI	Number of lattices points groups and space groups, index system for crystal planes, Miller indices
30.04.2020	01.00—02.00 pm	B.Sc. I	PaperII/UnitI	Specific heats of di and triatomic gases, behavior at low temperature
	02.00—03.00 pm	B.Sc. II	PaperII/UnitI	Electric quadruple, field due to a quadruple
	03.00—04.00 pm	B.Sc. III	PaperII/UnitI	Simple crystal structures, NaCl, hcp, Diamond, Cubic ZnS, hexagonal
01.05.2020	01.00—02.00 pm	B.Sc. I	PaperII/UnitI	Adiabatic expansion of an ideal gas, application to atmospheric physics
	02.00—03.00 pm	B.Sc. II	PaperII/UnitI	Electrostatic energy of a charged uniform sphere, energy of a condenser
	03.00—04.00 pm	B.Sc. III	PaperII/UnitI	Occurrence of non-ideal crystal structures, random stacking of polyprism, glasses

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