

INDIRA GANDHI GOVT COLLEGE PANDARIA, DISTT. KABIRDHAM

ANNUAL TEACHING PLAN (ACADEMIC SESSION 2023-24)

COURSE: UNDER GRADUATION. SUBJECT: PHYSICS CLASS: B.Sc.- I, II, III YEAR

Name of Teacher- Nileshwari chandrakar

EXPECTED MONTH	PAPER AND UNIT	TOPIC DESCRIPTION			Expected class	Tutorial / Remedial	Co-curricular activities	Extra curricular activities	Teaching Aids
		B.Sc. I	B.Sc. II	B.Sc. III					
July	B.sc I p1 p2 unit 1,1 B.sc2 p1 p2 unit 1,1 B.sc 3rd year	vectors:.....	condition for sustained intface theorem of interference	Cohesive energy of solid ,madelung constant ,braggs law ,bondingin	12+18+20				Chalk, Board & Duster
August	B.sc I p1 p2 unit 1,1 B.sc2 p1 p2 unit 1,1 B.sc 3rd year	Ordinary differential equation:.....			12+12+12		Independace Day	Cleaniness program	Chalk, Board & Duster
September	B.sc I p1 p2 unit 2,2 B.sc2 p1 p2 unit 2,2 B.sc 3rd year	Laws of motions ,work and energy, ,electrostatics:.....	fermats princile of extremum path ,the aplantic point of a spher and other applications ,telephoto,thermodyna mic function ,Tds equation ,van der waal gas	free electron model ofa matal ,kronig penny model without mathematical detail ,curies weiss law ,B-H curve,origin of the quantum theory ,compton effect ,wav partical,photoelectric effect ,bohrrs principle ,gamma ray microscope	24+24		Ozone day, nation hinhi divas		Chalk, Board & Duster

Nileshwari Chandrakar

October	B.Sc. P1 UNIT - 3 P2 UNIT- 3 B.Sc.2nd P1 UNIT - 3 P2 UNIT- 3 B.Sc. 3rd B.Sc. P1 UNIT - 3 P2 UNIT - 3	Rotational dynamics ,Elasticity, Dielectric &Electric current:.....	maxwellian distribution of speed in an ideals gas ,doppler broadening of spectral lines ,behaviour of real gas ,interference of light ,thin films ,newtons law ,michelson	industrial microbiology, lipid metabolism & protein catabolism,p-junction ,zener diode LED,FETand MOSFET characteristics ,bipolar transistors ,quntum mechanics ,schrodingers equation ,ehrenfeststheorem	24+24		gandhi jayanti		Chalk, Board & Dustar
November	B.Sc.1st P1 P2 UNIT 4,4 B.Sc.2nd P1 UNIT - 1, P2 UNIT - 1	Gravitation ,Oscillation ,,Magnetism.....	diffraction ,types of diffraction ,fresnel diffraction ,half period zone ,nicol prism,biquartz polarimeter ,huygens .	spectra of hydrogen ,deuteron and alkali atoms spectral terms ,doublet fine structure,screening constans for alkali spectra for s,p,d and f states	24+48		Constituti on day, Chhatish garh rajbhash a divas		Chalk, Board & Dustar
December	B.Sc.1st P1 P2 UNIT 5,5 B.Sc.2nd P1 UNIT - 5 P2 UNIT - 5 B.Sc.- 3rd	Electromagnetics Induction, Maxwells equations and Electromagnetics wave propagation:.....	lasersystem ,einstein A and B coefficient ,He-Ne laser , indistinguishability of partical and its consequences,bose .	struture of nuclei ,basic properties of nuclei,leptons and mesons quantum number,digital circuits ,AND,OR and NOT gates ,NAND and NOR gates as u	24+24		National youth day	Human right day	Chalk, Board & Dustar
January	B.Sc.1st P1 P2 UNIT 1,1 B.Sc.2nd P1 UNIT - 1, P2 UNIT - 1 B.Sc.- 3rd	1st order homogeneous differential equation exact and non -exact differential equation,2nd order homogeneous and nonhomogeneous differential equation with constants .	entrophy change in irreversibleand irreversible process ,entropy of ideal gas telephote lenses ,optical instruents	cohesive energy of solid ,madelung constant ,braggs law ,bondingin solids ,einstein and debye theorem length contraction ,time dilation ,lorentz transformatio	28+30		Republic day		Chalk, Board & Dustar
February	B.Sc.1st P1 P2 UNIT 2,2 B.Sc.2nd P1 UNIT - 2 , P2 UNIT 2 B.Sc.- 3rd	Review of Newtons law of motion ,Dynamics of a system of partical ,concept centre of mass ,determination of centre of mass for discratre and continuous system.	condition for sustained intrface theorem of interference ,fabry -perot ,rayleing refractometer ,stafan boltzman law , blackbody spectram	davisson and gerrmers experiment consequence of de broglies concepts ,bihr complementary principle ,langevin theorem of dia and semiconductors ,dia para and ferromagnetism fermi	24+26		National science day		Chalk, Board & Dustar

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Note: (1) Practical class will be organised according to time table.										
(2) Remedial and Tutorial class will be organised according to time table										
(3) Presentation/ Seminar/ Group discussion also take according as per plan.										
Co-curricular activities and Extra curricular activities are also organised as per plan.										

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