

ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

Department of PHYSICS

Bankura Christian College

ACADEMIC YEAR 2022-23 (Semester -II)

2nd Semester (January to June)

Teacher Name : Debendranath Das

Core T4 – Waves and optics (5, 6)

MONTH/YEAR	WEEK	PORTIONS
Mar 2023	2	Electromagnetic nature of light. Definition and properties of wave front.
	3	Huygens Principle. Temporal and Spatial Coherence.
	4	Division of amplitude and wave front. Young's double slit experiment.
MONTH/YEAR	WEEK	PORTIONS
April 2023	1	Lloyd's mirror
	2	Fresnel's Biprism.
	3	Phase change on reflection: Stokes treatment
	4	Interference in thin films: Parallel film
MONTH/YEAR	WEEK	PORTIONS
May 2023	1	Wedge shaped film
	2	Fringes of equal inclination (Haidinger Fringes)
	3	Fringes of equal thickness (Fizeau Fringes)
	4	Newton's rings
MONTH/YEAR	WEEK	PORTIONS
June 2023	1	Measurement of wavelength and refractive index
	2	Revision/ Tutorial on Unit 3/Unit Test Revision
	3	Revision/ Tutorial on Unit 3/Unit Test Revision
	4	Revision/ Tutorial on Unit 3/Unit Test Revision Revision
	5	Revision/ Tutorial on Unit 3/Unit Test Revision