GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Medical and Allied Sciences

Bachelor of Optometry
Semester End Examination - Jul 2024

Duration : 180 Minutes
Max Marks : 100

Sem II - L1UA204T - Physical Optics

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	What is Light	K1(2)
2)	Mention the Types of Luminescence	K2(4)
3)	List the characteristics of light.	K2(6)
4)	Outline the Airy's Disc and mention the condition for diffraction at different slits with a diagram.	K3(9)
5)	Explain Rayleigh scattering in details also outline the tyndall effect with example.	K3(9)
6)	Explain the Tyndall effect and Rayleigh scattering with the help of an example.	K5(10)
7)	Elaborate the types of LASER with diagram.	K4(12)
8)	Create the mathematical formula for diffraction at a circular aperture.	K5(15)
9)	Distinguish between polarised and unpolarized light and describe polarisation.	K5(15)
10)	Describe the characteristics and of light in details.	K6(18)