

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

School of Medical and Allied Sciences

Bachelor of Optometry

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

Sem II - L1UA202T - Ocular PhysiologyGeneral 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) Identify the primary determinant of corneal biomechanical properties. K2 (2)
- 2) Explain the role of the cornea in the focusing of light onto the retina. K1 (3)
- 3) Explain how information from the left visual field is processed in the brain. K2 (4)
- 4) Explain the process of phototransduction in the retina. K2 (6)
- 5) Illustrate the dimensions of cornea with the help of diagram. K3 (6)
- 6) Given a diagram of the eye, label the different structures responsible for light refraction. K3 (9)
- 7) Given a scenario, explain how the optic nerve carries visual information to the brain. K4 (8)
- 8) Interpret the various theories of presbyopia with the help of labelled diagram. K4 (12)

OR

- Discuss the function of crystalline lens with its metabolic pathway. K4 (12)