

School of Medical and Allied Sciences

**Bachelor of Optometry
Semester End Examination - Jul 2024**

**Duration : 180 Minutes
Max Marks : 100**

Sem I - L1UA103T - Geometrical Optics-IGeneral 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

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| 1) | Recall Light. | K1(2) |
| 2) | Construct classification of hypermetropia. | K2(4) |
| 3) | Summarize the process of total internal reflection and its applications. | K2(6) |
| 4) | Identify the difference between linear and angular magnification. | K3(9) |
| 5) | Identify the difference between photopic, scotopic and mesopic vision. | K3(9) |
| 6) | Analyse how the thickness of a lens affects its ability to converge or diverge light. | K5(10) |
| 7) | Distinguish between photopic, scotopic and mesopic vision. | K4(12) |
| 8) | Determine the difference between concave mirror and convex mirror with its uses in real life conditions. | K5(15) |
| 9) | Estimate the image formation with concave lens in detail. | K5(15) |
| 10) | Design image formation with spherical convex mirror in detail. | K6(18) |