

School of Medical and Allied Sciences

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

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

Sem II - L1UA203T - Geometrical Optics-IIGeneral 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 abbe value. | K1(2) |
| 2) | Identify the difference between compound myopic astigmatism and compound hypermetropic astigmatism with diagrams. | K2(4) |
| 3) | Explain about near retinoscopy in detail. | K2(6) |
| 4) | Illustrate the principle and procedure of Duochrome. | K3(9) |
| 5) | Summarize the procedure of alternate occlusion and prism dissociation method in detail | K3(9) |
| 6) | Discuss about the refinement of cylindrical power and axis in detail. | K5(10) |
| 7) | Analyze the importance of static retinoscopy and its types with procedure in detail | K4(12) |
| 8) | Distinguish between MEM and NOTT retinoscopy and explain its significance with procedure. | K5(15) |
| 9) | Analyze the principle and procedure of retinoscopy. | K5(15) |
| 10) | Design image formation with spherical concave lens in detail. | K6(18) |