

QP CODE: 101388

Reg. No:.....

**First Year Master of Optometry Degree Regular/Supplementary
Examinations December 2023**

Advanced Contact Lens Studies - I

Time: 3 Hours

Total Marks: 80

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay

(20)

1. Elaborate on Oxygen requirement of healthy cornea. Describe different lens materials in Soft contact lens and its material property. Write in Detail about the methods of accessing wettability.

Short Essays

(6x10=60)

2. Explain the 3 and 9 O'clock staining and describe contact lens management for the same.
3. a patient came to your clinic who is a IT personal who would like to try on contact lenses; the refractive error of the patient is OS: -8.00D sph and OS -6.75 D sph. Write in detail about the pre fitting evaluation for Contact lens for the patient. What type of contact lens will you suggest for your patient. The Vertex distance is 14 mm. What will be the contact lens Power.
4. Write in detail about Soft and RGP lens Manufacturing methods with its advantages and disadvantages.
5. What are different RGP Lens Designs. Write in detail about the significance of Lens design in a contact lens fit.
6. Write in detail about different components in care and maintenance system.
7. RGP contact lens modification requirements and procedure.
