

Q.P. Code: 201388

Reg. No:.....

**Second Year Master of Optometry Degree Regular Examinations
December 2023**

Advanced Contact Lens Studies – Part II

Time: 3 hours

Max 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. Describe in detail about various indications of scleral contact lens. Classify different scleral contact lenses based on diameter. Describe vault and mention different methods of vault measurement. Describe the need of toric periphery and mention how it works in scleral contact lens. Briefly explain about impression (molded) scleral contact lens with example. Mention the care regime for scleral contact lenses.

Short Essay: (6x10=60)

2. List down various reasons for lens rotation produced by a soft toric contact lens. Describe with example about any two advanced lens stabilizing techniques used in soft toric contact lens. Give two examples of commercially available soft toric contact lens based on different stabilizing techniques.
3. Describe in detail about different types of simultaneous vision correction. Write overview of two commercially available contact lenses and comment on how one should fit those lenses.
4. With the help of diagram explain contact lens design used in orthokeratology. Explain the fitting process and describe ideal fluorescein pattern of a well fitted orthokeratology lens.
5. A contact lens patient rushes to you with complaints of sudden pain, irritation and redness since morning. Patient was using silicone hydrogel lenses as 6-night extended wear basis. Outline your evaluation, differential diagnosis and management for this case.
6. Write about different indications of therapeutic contact lens and mention how these lenses work on those conditions. Name different lenses which are used as therapeutic contact lens. Write about risk of complication associated with therapeutic contact lens practice.
7. Describe how you will manage a case of unioocular aphakia with contact lens.
