

Q.P. Code: 201388

Reg. No:.....

Second Year Master of Optometry Degree Examinations October 2018

Advanced Contact Lens Studies – Part II

Time: 3 hours

Max Marks: 80

- **Answer all the questions**
- **Draw diagrams wherever necessary**

Essay: (20)

1. An 18 years old boy visited the eye clinic with complaints of blurred vision for distance. On refraction, he was found to have -2.00 DS/-1.50 DC x 140 with 6/12 which did not improve with pinhole in the right eye. His left eye was -1.00 DS/-3.00 DC x 10 with 6/18 and no further improvement with pinhole. His Orb scan readings were Min K 42.3 @ 43 degrees and Max K 44.3 D @ 133 degrees in the right eye and Min K 48.7 @ 89 degrees and Max K 52.7 D @ 179 degrees in the left eye. Diagnose and discuss in detail about the various possible contact lens fittings and techniques involved for this patient.

Short Essay: (6x10=60)

2. What is scleral lens. Write the indications and post fitting assessment of scleral lenses.
3. A spectacle prescription of a 25 years old patient is -2.00 DS/-1.25 DC x 180 in both eyes. On fitting a soft toric contact lens trial, it rotated towards left side of the examiner in both eyes by 10 degrees. What will be the final prescription in this case and explain the steps of fitting assessment.
4. Write about aphakia and its contact lens options and fitting criteria.
5. What are the most suitable contact lens materials available for children. Explain pre fitting parameters required prior to fitting a contact lens in a child along with the CL fitting procedures.
6. The types of tinted contact lenses and their uses.
7. Describe the simultaneous vision contact lens fitting in presbyopia. Mention three differences in fitting CL in children and adults.
