

QP CODE: 101388

Reg No:.....

**First Year Master of Optometry Degree Regular Examinations
October 2019**

Advanced Contact Lens Studies - I

Time: 3 Hours

Total Marks: 80

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay (20)

1. Define trial and empirical contact lens fitting technique. Add a detail note on RGP contact lens fit assessment that you follow in your routine examination. Mention how you document your findings. Explain fitting criteria for flat, optimum and steep fitting contact lens with appropriate diagram. (4+10+6)

Short Essays (6x10=60)

2. Describe the following contact lens design with appropriate diagram. Mention their uses.
 - Multi curve lens design
 - Aspheric lens design
 - Lenticular lens design(3+3+4)
3. Describe different type corneal topographers and mention its uses in contact lens practice. Discuss about different maps and scales used in corneal topographer. (6+4)
4. Write in detail about soft contact lens care and maintenance system (3+3+4)
5. Define Dk/t. What are the different ways to measure Dk/t. What is the desired requirement of Dk/t recommended for daily wear and extended wear modalities. Comment on oxygen flux (2+2+2+4)
6. Write note on following:
 - Small incision lenticule extraction technique for myopia correction
 - Different types of Contact lens deposits and management (5+5)
7. Describe in detail about following contact lens complications and mention your plan of management:
 - CLARE
 - Solution toxicity and sensitivity. (5+5)
