

QP CODE: 101388

Reg No:.....

**First Year Master of Optometry Degree Regular/Supplementary
Examinations November 2020**

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. Discuss about the common preservatives used in RGP care solutions. Add a note on RGP multipurpose solution. Mention your recommendation for RGP lens storage for your patient.

Short Essays

(6x10=60)

2. Describe Meibomian gland dysfunction briefly. How is MGD influence contact lens practice.
3. Tabulate different soft contact lens materials, its properties and various manufacturing techniques
4. Compare papillae versus follicle. Briefly explain GPC.
5. A patient's spectacle refraction for right eye is -15.50 D Sph - 0.50 D Cyl x 170°. The trial was done with a -5.00 D Sph soft spherical contact lens. Over refraction value was -9.50 D Sph. What BVP should be ordered for the final lens. Give justification for your answer. Consider vertex distance as 12 mm.
6. Write about the significance of corneal Anatomy and Physiology in relation with contact lens use.
7. Describe following:
 - Wettability • Oxygen permeability
