

[LL 1017]

OCTOBER 2017

Sub. Code: 1604

**M. OPTOM DEGREE EXAMS  
FIRST YEAR  
PAPER IV – CONTACT LENS - I**

*Q.P. Code: 281604*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Explain steps in pre fitting and assessment of fitting in a soft contact lens in a patient with refraction of od;-8.00/-2.00\* 180 os:- 5.00ds.
2. Explain in detail indication and contraindication of different contact lenses.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Explain the relationship between sag, base curve and diameter and their rule of thumb with examples.
2. List the indications/partial indications and precautions, and contraindications of contact lens in detail.
3. Explain required detailed history taking in new contact lens patient.
4. Explain different manufacturing of soft lenses and their advantage and disadvantage.
5. Diagrammatically explain fluroscein pattern and fit assessment in spherical rgp lens.
6. List the characteristics of steep and flat soft lens.
7. Explain with diagram fitting in spherical cornea and 4 Diopter toric cornea with a spherical RGP lens.
8. Explain special instructions required while dispensing soft contact lens.
9. Explain different stages of corneal edema during hypoxia. Explain sources of oxygen for cornea during closed and open eye conditions.
10. Explain advantage and disadvantage of different manufacturing techniques used in contact lens.

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