

**B.Sc. OPTOMETRY
THIRD YEAR
PAPER VI – CONTACT LENS**

Q.P. Code: 806046

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Expand RGP contact lens. Write about RGP contact lens fitting and its evaluations.
2. Classify contact lenses. Write advantages and disadvantages of contact lenses in detail.
3. Manufacturing techniques used for making contact lens.

II. Write notes on:

(8 x 5 = 40)

1. List the complications of soft contact lens. Give detail about contact lens induced papillary conjunctivitis.
2. Define Keratometry. Write uses of keratometry in contact lens fitting.
3. Contact lens materials.
4. Therapeutic contact lenses.
5. Occupational uses of contact lenses.
6. Contact lens fitting in Aphakia and Pseudophakia
7. Terms used in relation to properties of contact lens materials.
8. Contact lens solution and properties.

III. Short answers on:

(10 x 3 = 30)

1. Name the deposits on soft contact lens.
2. Define Oxygen Transmissibility.
3. Notes on handling of contact lenses.
4. Diagnostic uses of contact lenses.
5. Parameters for an ideal preservation.
6. Sattler's Veil.
7. Uses of contact lens in nystagmus.
8. Disadvantages of PMMA.
9. Contact lens versus spectacles.
10. Spectacle refraction of a patient is $-2.00/-1.50 \times 160^\circ$ and $-1.50/-1.25 \times 20^\circ$ in right and left eye respectively. He was fitting with a soft toric contact lens - $2.00/-1.50 \times 160^\circ$ and $-1.50/-1.25 \times 20^\circ$ in right and left eye. During assessment toric lens rotates 20° clockwise in right eye and 20° anti-clockwise in left eye. What is the final prescription of the toric contact lens (Use LARS rule)?
