



Time: Three Hours

Max. Marks: 100 Marks

**CONTACT LENS (RS-4)**

**Q.P. CODE: 3352**

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary

**LONG ESSAYS (Second Question Choice)**

**2 x 10 = 20 Marks**

1. Explain the selection criteria and evaluation of trial lens fitting of soft contact lens.
2. Define Presbyopia. Explain different options of correcting presbyopia with contact lens.

**OR**

What are silicon hydrogel lenses? How are they different from hydrogel lenses? In what conditions of the eye are they contraindicated.

**SHORT ESSAYS (Question No 5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Write fitting philosophies for correcting Keratoconus.
4. What are therapeutic contact lenses? What are the considerations for these lenses?
5. Explain different types of contact lens used for therapeutic purpose. Explain indication of therapeutic contact lens.

**OR**

Write short note on the basic types of disposable contact lenses.

6. FDA classification of soft contact lens and gives some example for each group.
7. Briefly explain advantages and disadvantages of monovision correction.
8. Briefly explain the contact lenses and sports.
9. Write about steps involved and instructions give while dispensing contact lens.
10. Explain Ideal contact lens material properties.

**OR**

Write short note Gaint Papillary conjunctivitis and Superior limbic Kerato conjunctivitis.

11. Find out contact lens power for following prescriptions (vertex distance =14mm).  
a) -6.00DSPH/-4.00DCYLx90 b) -6.00DSPH/-5.00DCYLx135
12. Explain RGP fitting characteristics with its modification.

**SHORT ANSWER**

**10 x 3 = 30 Marks**

13. V -gauge.
14. Wetting angle.
15. Bandage contact lens.
16. What is the power of contact lens of a +20.00DS aphake wearing his glasses at a distance of 10mm from the corneal plane?
17. Enlist various soft toric stabilization methods.
18. Oxygen permeability.
19. Define and explain contact lens magnification.
20. Image size with spectacles and contact lens.
21. Spectacle refraction of a patient is  $-5.00/-1.75 \times 150^{\circ}$ . He was fitted with a soft toric lens  $-5.00/-1.75 \times 150^{\circ}$ , which rotates  $15^{\circ}$  clockwise on the eye. What is the final prescription of the contact lens using LARS rule?
22. Prosthetic contact lens.