

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**III Year B.Sc. Optometry Degree Examination – 06-May-2026**

**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. Discuss the various preliminary measurements and ocular examinations for selection of contact lens patients
2. Describe manufacturing process of soft contact lens with its advantages and disadvantages

**OR**

What are the RGP contact lens materials, mention their advantages and disadvantages?

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

**10 x 5 = 50 Marks**

3. Explain oxygen permeability, transmissibility and flux and its importance
4. Define deposits. Explain different types of contact lens deposits
5. Explain the different stabilization techniques in soft toric contact lens

**OR**

Explain monovision contact lens method for presbyopia

6. Steps involved in contact lens fit assessment in soft toric contact lens
7. Describe etiology, signs, symptoms and management of 3 and 9'O' clock staining
8. Discuss accommodation and convergence changes after contact lens wear
9. Explain the difference between hydrogel and silicon hydrogel contact lenses
10. Explain Optics of a contact lens

**OR**

Explain care and maintenance of RGP contact lens

11. Describe corneal hypoxia related complications in soft contact lens
12. Prosthetic contact lens

**SHORT ANSWER**

**10 x 3 = 30 Marks**

13. Push up test
14. Enlist contact lens for keratoconus
15. Explain wettability and its importance
16. What is the power of contact lens of a +14.00 DS aphakic patient wearing his glasses at 11 mm from the corneal plane?
17. Indications of bandage contact lens
18. What is CAAS rule?
19. What is endothelial polymegathism and pleomorphism?
20. What is corneal dellen?
21. Differences between hybrid and piggyback lenses
22. Uses of contact lens in Nystagmus

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