

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Optometry Degree Examination – 14-Dec-2022

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 various component of contact lens solution
2. Explain the optics of contact lens. Explain ideal properties of contact lens

OR

Enlist various contact lens for keratoconus. Write about fitting philosophies of contact lens for keratoconus

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Signs and management of contact Lens induced acute red eye
4. What is wettability? How to measure it?
5. Explain contact lens wearing modalities and replacement schedule

OR

Write a short note about hydrogen peroxide system

6. FDA classification of soft contact lens materials with examples
7. Explain 3'o clock and 9'o clock staining
8. Describe the indications of contact lens
9. Explain Cosmetic contact lenses
10. Explain piggyback and hybrid lenses

OR

Explain SEAL complication

11. Symptoms and signs of loose fit and tight fit in soft contact lens and its modification
12. Explain therapeutic contact lenses

SHORT ANSWER

10 x 3 = 30 Marks

13. Accommodation with contact lenses
14. Explain water melon seed principle. Write about prism ballast
15. What is HVID and VVID? How to measure them and what is the purpose of measuring them?
16. What are the differences between standard RGP lenses and Rose K2 lenses?
17. Enlist contact lens options for presbyopes
18. Parameters for an ideal preservation
19. What are the tests for assessing the tear film quality and quantity?
20. Spectacle refraction of a patient is $-4.25 / -2.25 \times 10^\circ$. He was fitted with a soft toric lens $-4.00 / -1.75 \times 40^\circ$, which rotates 20° clockwise on the eye. What is the final prescription of the contact lens using LARS rule?
21. Extended wear lens and indications
22. Prosthetic contact lens
