

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Optometry Degree Examination - OCT-2019

Time: Three Hours**Max. Marks: 80 Marks**

Contact Lens (Revised Scheme – 3) Q.P. CODE: 3122

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

LONG ESSAYS (Answer Any Three)**3 x 10 = 30 Marks**

1. Corneal physiological changes that happens to cornea due to contact lens wear
2. Write in detail about lens care, hygiene and instructions given while dispensing the soft contact lens.
3. Explain in detail about the components of fitting evaluation in RGP lens fitting.
4. Note on contact lens manufacturing techniques used in the current contact lens market.

SHORT ESSAYS (Answer Any Six)**6 x 5 = 30 Marks**

5. Ideal contact lens material properties
6. Various stabilization techniques used in soft toric lens design
7. Short note on bifocal contact lens
8. What are the different modalities of wear? Give one example under each category.
9. Difference between papillae and follicle. Management of contact lens induced papillary conjunctivitis.
10. What is the FDA classification for soft contact lenses? Explain with an example.
11. Write the parameters of following lenses available in the Indian Market.
(a) Purevision 2
(b) Acuvue 2

SHORT ANSWERS**10 x 2 = 20 Marks**

12. Extended keratometry
13. Indication for Bandage contact lens
14. Sag of lens
15. BOZR
16. CLPU
17. Silicon hydrogel lenses are more prone for protein deposits. True / False. Justify your answer.
18. Accommodation and contact lens
19. Non-tear related deposits
20. Holden Mertz criteria for oxygen requirement for Daily wear and Extended wear
21. Wettability and its importance
