

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1023]

OCTOBER 2023

Sub. Code: 1623

**M.OPTOM
FIRST YEAR (From 2020-2021 onwards)
PAPER III – ADVANCED CONTACT LENSES – I**

Q.P. Code: 281623

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Identify and explain common complications associated with RGP contact lens wear. Discuss how these complications can be prevented and managed to ensure the long-term health of the eye.
2. What are the essential components of a contact lens care regimen? Discuss the importance of each component, including lens cleaning, disinfection, and storage.

II. Write Short Notes on:

(10x6 = 60)

1. Discuss the specific parameters and criteria that should be evaluated during lens checking.
2. Write about contact lens induced dry eye and explain how will you manage?
3. Write a note on Giant papillary conjunctivitis.
4. Can you explain the importance of rotational stability in soft toric contact lenses? How do you assess and ensure proper lens alignment?
5. Can you provide examples of cases where contact lenses may be preferred over glasses due to improved vision?
6. How do you determine the most suitable contact lens type and fit for an individual with keratoconus? What factors influence the selection process?
7. Describe the structure of the cornea and its layers.
8. Explain the FDA classification system for contact lens materials.
9. How does the water content of a contact lens material affect its performance and comfort?
10. What are the common fitting challenges or issues encountered during contact lens fitting, such as lens decentration, inadequate movement or poor comfort? How do you address these challenges?
