



**Avinashilingam Institute for Home Science and Higher Education for women  
Coimbatore -641043**

**Continuous Internal Assessment I FEBRUARY-2025**

**VI Semester**

**Class: III UG**

**Branch : Optometry**

**22BOPC37-Contact lens -II**

**Time: 2 Hours**

**Max Marks: 60**

Course Outcomes:

CO1: To impart knowledge on multifocal contact lens fitting.

CO2: To cognize fitting of contact lenses in special cases.

CO3: To expertise fitting contact lenses in pediatric patients and inspect the role of Orthokeratology in management of Myopia.

CO4: To unravel the mystery behind therapeutic and bandage contact lens.

CO5: To ensure the lens care and instrumentation involved in fitting of contact lens

**Part A Choose the Correct Answer**

**6 × 1= 6**

1. The primary purpose of back surface toricity in a soft toric lens is to:

**CO1K1**

a) Correct myopia b) Correct hyperopia c) Counteract corneal astigmatism d) Improve lens centration

2. Which of the following is a potential disadvantage of monovision?

**CO1K1**

a) Reduced depth perception b) Improved contrast sensitivity c) Enhanced night vision  
d) No need for reading glasses

3. Rose K lenses are designed to:

**CO2K2**

a) Correct high myopia b) Manage presbyopia. c) Improve vision in keratoconus.  
d) Provide cosmetic enhancement.

4. Contact lenses for swimming should Prioritize?

**CO2K1**

a) High water content. b) High oxygen permeability. c) Good UV protection. D)all the above.

5. Which type of contact lens would be most suitable for an athlete who

**CO2K1**

participates in high-impact sports? a) Daily disposable soft lenses.

b) Extended-wear soft lenses c) Rigid gas permeable (RGP) lenses. d) Scleral lenses.

6. Daily disposable lenses are often preferred for paediatric patients due to:

**CO3K1**

a) Lower cost b) Reduced risk of infection c) Increased comfort d) Extended wear time

**Part B Answer ALL the questions**

**3× 6= 18**

**Each answer should not exceed 400 words or two pages**

7.A.Explain the soft Toric contact lens stabilizing mechanisms.

**CO1K2**

7.B.List out the contact lens options in presbyopia correction and write in detail about the bifocal contact lenses.

**CO1K1**

8.A.Define scleral lenses ,indications & differentiate b/w scleral lenses & corneal lenses.

**CO2K1**

8.B. Enumerate types of keratoconus and tabulate the early and later signs of keratoconus.

**CO2K1**

9.A.List out the advantages of contact lens over spectacles in paediatric conditions and mention the ocular configuration changes in childhood.

**CO3K1**

9.B. Enumerate the importance of occupation in contact lens.

**CO2K1**

**Part C Answer ALL the questions**

**3× 12= 36**

**Each answer should not exceed 800 words or four pages**

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| 10.A. Describe the Keratoconus and its contact lens fitting .                            | <b>CO2K1</b> |
| 10.B. Discuss the Presbyopic contact lens options and management.                        | <b>CO1K2</b> |
| 11.A. Define sclera lenses and fitting approach to scleral lenses.                       | <b>CO2K1</b> |
| 11.B. Discuss the Contact lens with respect to sports and mention the sports challenges. | <b>CO2K2</b> |
| 12.A. Enumerate the paediatric contact lens fitting.                                     | <b>CO3K1</b> |
| 12.B. Explain contact lens fitting in Aphakia patients.                                  | <b>CO2K4</b> |

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