



Avinashilingam Institute for Home Science and Higher Education for women
Coimbatore -641043
Continuous Internal Assessment II APRIL-2025
VI Semester

Class: III UG
Branch : Optometry

Time: 2 Hours
Max Marks: 60

22BOPC37 Contact lens -II

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

6 × 1= 6

Choose the Correct Answer

1. Orthokeratology primarily works by: **CO3K1**
 - a) Changing the shape of the lens
 - b) Reshaping the cornea
 - c) Reshaping retina
 - d) Stimulating the ciliary muscle
2. Ortho-k lenses are typically worn: **CO3K2**
 - a) During the day
 - b) Overnight
 - c) Only during reading
 - d) Only during sports activities
3. Therapeutic/bandage lenses are primarily used to: **CO4K1**
 - a) Correct refractive errors
 - b) Promote corneal healing and provide protection
 - c) Enhance color vision
 - d) Reduce glare
4. Which material is preferred for continuous wear lenses due to its high oxygen permeability? **CO4K1**
 - a) PMMA
 - b) HEMA
 - c) Silicone hydrogel
 - d) Polycarbonate
5. Daily disposable contact lenses are discarded: **CO4K2**
 - a) Weekly
 - b) Monthly
 - c) After two weeks
 - d) After a single day of wear
6. Giant papillary conjunctivitis (GPC) is primarily an: **CO5K2**
 - a) Infection
 - b) Allergic reaction
 - c) Corneal abrasion
 - d) Dry eye symptom

Part B

3× 6= 18

Answer ALL the questions

Each answer should not exceed 400 words or two pages

- 7.A. Define ortho-K and lens parameters with diagram. **CO3K1**
- 7.B. List the criteria for lens selection & fitting guidelines for therapeutic purpose. **CO4K1**
- 8.A. Tabulate the mechanism and effects of ortho-k lenses. **CO3K1**
- 8.B. Explain coloured contact lens & Tinting methods. **CO4K2**
- 9.A. Describe the Silicone hydrogel lenses used for Extended wear. **CO4K1**
- 9.B. Describe modification of finished lenses. **CO5K1**

Part C

3× 12= 36

Answer ALL the questions

Each answer should not exceed 400 words or two pages

- 10.A. Explain the Myopia management -Orthokeratology. **CO3K2**
- 10.B. Enumerate the Therapeutic contact lenses. **CO4K1**
- 11.A. List out and explain Complications of contact lens wear. **CO5K1**
- 11.B. Explain Extended wear lenses. **CO4K2**
- 12.A. Describe the instrumentation used in contact lens practice. **CO5K1**
- 12.B. Enumerate the lens care products and solutions. **CO5K1**

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