

**Third Year B.Sc Optometry Degree Regular/Supplementary Examinations
November 2024**

**Contact Lens
(2016 Scheme)**

Time: 2 hrs

Max marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay

(10)

1. Explain about different manufacturing methods of contact lens. Write briefly about limitations of lathe cut manufacturing method.

Short notes

(3x5=15)

2. How will you decide upon the first trial contact lens for your patients, 15 year old male wearing the speculators RE 1.50 DS/-1.00 DC x 90, LE -1.00 DC x 60 since one year.
3. Differentiate CLPU and CLPC.
4. Write briefly about contact lens fitting of pediatric group."

Answer briefly

(5x2=10)

5. How accommodation is affected when a myopic patient is shifted from spectacle to contact lens.
6. If the soft contact lens is placed inside out, what are the symptoms noted by the patient.
7. Mention the types of stabilizing techniques used in contact lens.
8. Uniocular aphakic patients will be able to restore his/her binocular single vision with the use of contact lens. Justify this statement.
9. What is the importance of rinsing.

One word answer (True or False)

(5x1= 5)

10. Glands of Krause and Wolfring contributes to the aqueous phase of the basal tears.
11. Overnight corneal oedema in normal eyes without contact lens is 2-3 %.
12. Leonardo Da Vinci describe the concept of contact lens.
13. Vogt's striae is the horizontal white lines seen in keratoconus patient.
14. Silicon hydrogel contact lenses have more modulus of elasticity as compared to 55% hydrogel contact lenses.