Third Year B.Sc Optometry Degree Regular/Supplementary Examinations December 2023

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 the various ways of stabilizing soft toric lenses.

Short notes   **(3x5=15)**

2. A patient has refractive error of RE: -2.00DS LE: -8.00DS vertex distance is 14mm. Calculate accommodation demand for each eye with spectacle and with contact lenses fixating an object at 25cm from corneal outer surface.

3. What is the role of diffuse, direct, and retro illumination slit lamp technique in CL practice.

4. Explain optical and physical properties of a contact lens.

Answer briefly   **(5x2=10)**

5. Define contact lens oxygen transmissibility.

6. Define steep fitted RGP Lens

7. Define modules of elasticity.

8. Contact lens associated papillary conjunctivitis (CLPC).

9. Write two disadvantages of contact lenses over spectacle.

One word answer   **(5x1= 5)**

10. Which cranial nerve supply cornea.

11. B & L Keratometer has a range of …………………to………………

12. Name the agent that maintains pH under variable conditions for soft lens MPS.

13. The image size of contact lens corrected axial hyperopia is ……………than spectacle corrected.

14. According to Holden & Mertz Criteria …………….. should be the Dk/t value for a Extended wear Lens to prevent corneal Oedema

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