Q.P. Code: 322013 **Reg. No.:……**

Third Year B.Sc Optometry Degree Regular/Supplementary Examinations January 2022

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. What are the prefitting consideration while fitting RGP lenses. If your lens shows moderate pooling in the center what type of fit is this. What are the signs observed and symptoms of patient. Briefly mention the complications related to this type of fit.

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

2. A patient has a spectacle refraction of -11.00 DSph at a vertex distance of 14mm. He is fitted with a trial CL with a back vertex power (BVP)of -5.00, and the over refraction is -6.00 D. What BVP should be ordered for the final CL.
3. Explain the indications of THERAPEUTIC contact lens.
4. What changes will you observe under slit lamp with hypoxic (oedematous) CORNEA

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

5. A patient has horizontal visible iris diameter (HVID) of 11.5 mm. What CL TDs would be most suitable when fitting this patient with SCLs.
6. Disadvantages of PMMA contact lens material
7. A patient's right eye has ocular astigmatism at axis 15. A trial contact lens placed on the eye rotates 10^0 clockwise. What cylinder axis should be ordered for the final CL.
8. Explain monovision.
9. Write any one soft contact lens related complication, with its sign and symptoms.

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

10. A patient has a spectacle refraction of -9.00 D at a vertex distance of 14 mm. If we wanted to fit this patient with a CL, back vertex power (BVP) would be ……
11. A myope transferring from spectacles to CLs will use …….. accommodation and convergence.
12. "..... invented the HEMA material CL.
13. TA contact lens material with water content greater than 50% & nonionic is .....
14. Tightness of soft contact lens can be evaluated by ……..test.

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