**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[AHS 1022]                    OCTOBER 2022                    Sub. Code: 1623

**M.OPTOM**
**FIRST YEAR**
**(Candidates admitted from 2018-2019 & 2020-2021 onwards)**
**PAPER III – ADVANCED CONTACT LENSES – I**

*Q.P. Code : 281623*

Time: Three hours          Answer ALL Questions          Maximum: 100 Marks

**I. Elaborate notes on:**                                                (2 x 20 = 40)

1. Write in detail about the procedure and assessment for RGP contact lens fittings.

2. Write in detail about contact lens verification and discuss about what are the parameters need to verified.

**II. Write Short Notes on:**                                             (10x6 = 60)

1. Write about tight fit characteristics of RGP lens.
2. Explain about Contact lens materials.
3. What is DK\t and its significance in Contact lens?
4. Recent advancement in Contact lens.
5. How to calculate vertex power for -2.00/-3.00@180, write down the steps involved in calculations.
6. Write about Anterior Segment OCT.
7. What is vertex distance and calculate the effectivity of lens with example.
8. Scleral Contact lens fitting.
9. Therapeutic Contact lens.
10. Write the Care and maintenance of Soft contact lens.

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