

THE TAMIL NADU M.G.R. MEDICAL UNIVERSITY

[AHS 1022]

OCTOBER 2022

Sub. Code: 1632

M.OPTOM
SECOND YEAR (From 2018–2019 & 2020-2021 onwards)
PAPER II – ADVANCED CONTACT LENSES - II
Q.P.Code : 281632

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. If you had to set up a contact lens clinic in your town, how would you go about doing it? What would be your advanced / ideal / reasonable / minimum setup of equipment for the CL Clinic? What is empirical method of fitting contact lenses? Is there any other method of fitting?
2. How will you manage the following patients with contact lenses? Identify the condition and discuss the fitting plan for each case individually.

Eye	Keratometry reading	Current refraction	
RE	K1 46.00D K2 49.00D	-1.00/-3.00 x 120 VA 6/18, N8	Scissors reflex noted
LE	K2 47.00D K2: 50.00D	-2.00/-4.00x 20 VA 6/24 ph 6/18,N8	
Eye	Keratometry reading	Current refraction	
RE	K1 44.00D K2 44.00D	-1.00/-3.00 x 120 VA 6/6, N6	
LE	K2 44.00D K2: 44.25 D	-2.00/-4.00 x 20 VA 6/6, N6	
Eye	Keratometry reading	Current refraction	
RE	K1 44.00D K2 47.00D	-1.00/-3.00 x 120 VA 6/6, N6	
LE	K2 44.00D K2: 46.00D	-2.00/-2.00 x 20 VA 6/6, N6	
Eye	Keratometry reading	Current refraction	
RE	K1 44.00D K2 44.00D	-1.00 Ds VA 6/6, N6	
LE	K2 44.00D K2: 44.00D	-2.00Ds VA 6/6, N6	

P.T.O.

II. Write Short Notes on:

(10 x 6 = 60)

1. What are the issues in fitting a patient post corneal graft?
2. How would you differentiate between a steep, flat and ideal fit of a contact lens?
3. Discuss orthokeratology for myopia
4. A case record of a patient shows Manual Keratometry values of 62.00 / 59.00 @25. How do you think they would have obtained this K reading?
5. What is static and dynamic assessment of CL fitting?
6. What are the instruments used in CL fitting?
7. A 43 year CL user with prescription RE -1.00Ds LE: -1.50 D has come with C/O difficulty with using her mobile phone with contact lenses. What solutions can you offer this patient?
8. A toric contact lens trial patient C/O blurred vision in the BE. The trial lens Rx BE: is -1.00Ds/-1.25 Dc@90. On examination you find that the lens has rotated 20 deg to the clockwise in the right eye, and 20 deg anticlockwise in the left eye. How would you modify the contact lens prescription to order the final lens?
9. What is Dk / Dk/t? How is it important in contact lens fitting?
10. How will you manage a patient with bullous keratopathy with contact lenses?
