



Name :

Roll No. :

Invigilator's Signature :

CS/B.OPTM/SEM-5/BO-502/2010-11
2010-11
CONTACT LENS – I

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following : $10 \times 1 = 10$
- What does the keratometer actually measure ?
 - Apparent front corneal surface curvature
 - Limited to central 3 mm approximately
 - Sagittal radius
 - All of these.
 - Contact lens deposits can be observe by
 - Retro-illumination
 - Specular reflection
 - Tangential illumination
 - Sclerotic scatter.
 - Most common Total diameters of SCL is
 - 13.5 – 14.5 mm
 - 11.5 – 16.00 mm
 - 10.00 – 12.00 mm
 - 11.00 – 13.00 mm.

5120

[Turn over



viii) The time required for disinfection of soft lens using Hydrogen peroxide is

- a) 2 hrs
- b) 15 – 20 mins
- c) 24 hrs
- d) 5 mins.

ix) Contact lens wear is theoretically contraindicated in

- a) albinism
- b) aphakia
- c) axial anisometropia
- d) astigmatism.

x) The Base curve required for a patient with $K1 = 7.8$ mm & $K2 = 7.5$ mm is

- a) 8.8 mm
- b) 8.5 mm
- c) 7.5 mm
- d) 8.6 mm.

GROUP – B
(Short Answer Type Questions)

Answer any *three* of the following.

$3 \times 5 = 15$

2. Write a short note on Saggital height.
3. What is Tear Lens ? Discuss the relationship between RGP Lens and tear lens.
4. Discuss the optical advantages and disadvantages of contact lenses.
5. Write a short note on Wetting angle of contact lenses.

CS/B.OPTM/SEM-5/BO-502/2010-11



GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

6. a) Discuss the "criteria" for selecting suitable patients for prescribing SCL and RGP lenses.
- b) Discuss the importance of the following :
- i) Corneal Topography
 - ii) Use of Keratometer
 - iii) Use of a slit lamp in contact lens practice. $6 + 9$
7. Discuss different corneal complications associated with soft CL wear. Discuss about the procedure for fitting evaluation of a soft CL patient. $8 + 7$
8. What are the different contact lens manufacturing methods ? Discuss the 'spin cast' method of lens manufacture and also discuss its advantages and disadvantages. $9 + 6$
9. Briefly describe the history of contact lens and its development. 15

5120

4