



Name :

Roll No. :

Invigilator's Signature :

CS/B.OPTM/SEM-6/BO-604/2012

2012

CONTACT LENS - III

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 any *ten* of the following :
10 × 1 = 10

i) The toric lens stabilisation technique is based on the principle of

a) lemon seed b) grape seed

c) water melon seed d) guava seed.

ii) A contact lens wearer wakes up with painful red eye in

a) CLARE b) MK

c) CLPC d) CLPU.

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[Turn over



- iii) 3 and 9 O'clock staining occurs due to
- a) complete blinking
 - b) abnormality of tear film
 - c) thin lens
 - d) large dia meter lenses.
- iv) All are the characteristics of keratoconus *except*
- a) scissor's reflex
 - b) oil droplet sign
 - c) regular astigmatism
 - d) munson's sign.
- v) A toric lens of power $+ 0.25/- 1.75 \times 180$ rotates 20° on right side of the examiner. The final power of the lens is
- a) $+ 0.25/- 1.75 \times 170$
 - b) $+ 0.25/- 1.75 \times 130$
 - c) $+ 0.25/- 1.75 \times 140$
 - d) $+ 0.25/- 1.75 \times 160$.
- vi) All are true about Silicon Hydrogel contact lenses *except*
- a) low water content
 - b) high modulus of elasticity
 - c) lower lipid deposit
 - d) high DK.
- vii) Piggy back lenses refer to
- a) RGP over soft contact lens
 - b) soft contact lens over soft contact lens
 - c) RGP contact lens
 - d) none of these.



- viii) The modification not possible in RGP lens is
- a) changing power up to +/-
 - b) increasing diameter
 - c) polishing blends
 - d) flattening the peripheral curves.
- ix) Tinted lenses are used in all *except*
- a) strabismus
 - b) albinism
 - c) amblyopia
 - d) aniridia.
- x) Silicon elastomer lenses are mainly used in
- a) paediatric aphakia
 - b) high myopia
 - c) albinism
 - d) none of these.
- xi) All of the following are desirable fitting characteristics of soft toric lenses, *except*
- a) full corneal coverage
 - b) good centration
 - c) little or no movement
 - d) rapid return to axis if mislocated.

GROUP - B

(Short Answer Type Questions)

Write short notes on any *three* of the following. 3 × 5 = 15

2. Toric soft contact lens stabilization technique.
3. Contact lens fitting in Keratoconus.
4. Residual astigmatism.
5. Double slab off.



GROUP - C

(Long Answer Type Questions)

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

6. a) Describe with details any two hypoxic complications of soft contact lenses. 10
- b) Give the uses of tinted contact lens. 5
7. a) Explain how an RGP lens corrects astigmatism. 5
- b) Give four advantages of Silicon Hydrogel over Hydrogel contact lenses. 4
- c) What are the indications of Silicon Hydrogel lens ? 3
- d) Give three differences between daily wear and extended wear contact lens. 3
8. a) Write about three RGP contact lens complications. 10
- b) Write briefly about Hybrid lenses. 5
9. a) Discuss the indications of switch over from daily wear to extended wear lenses and also from extended wear lenses and also from extended wear to daily wear.
- b) Describe the various complications of soft contact lenses.