



Name : .....  
Roll No. : .....  
Invigilator's Signature : .....

**CS/B.OPTM/SEM-6/BO-604/2013**

**2013**

**CONTACT LENS - II**

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 )**

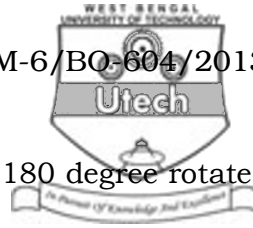
1. Choose the correct alternatives for any *ten* of the following :  
10 × 1 = 10
- i) LARS rule is applied in assessing the fitting of
    - a) spherical soft contact lens
    - b) spherical RGP lens
    - c) toric soft contact lens
    - d) multifocal lenses.
  - ii) The axial length of the eyeball at birth is
    - a) 24 mm
    - b) 17 mm
    - c) 20 mm
    - d) 10 mm.
  - iii) Tinted contact lens can be given in all *except*
    - a) Albinism
    - b) Aniridia
    - c) Amblyopia
    - d) Keratoconus.

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[ Turn over



- iv) Piggy back-I lens refers to
- a) soft over RGP                      b) soft over soft
- c) RGP over soft                      d) none of these.
- v) Enhanced monovision contact lens refers to
- a) single vision lens in one eye and bifocal in the other eye
- b) bifocal lenses in both eyes
- c) single vision lenses in both eyes
- d) none of these.
- vi) Dimple veiling is a complication of
- a) Soft contact lens
- b) RGP contact lens
- c) Silicon hydrogel lens
- d) All of these.
- vii) Therapeutic contact lenses are given in all *except*
- a) Trichiasis                      b) Post LASIK
- c) Bollus keratopathy              d) Chalazion.
- viii) Rose *K* lenses are mainly used for
- a) Post LASIK                      b) High astigmatism
- c) Keratoconus                      d) All of these.



- ix) A toric lens of power  $-2.00/-1.00 \times 180$  degree rotates to the left on eye on examination. What will be the actual power of the lens to be ordered ?
- a)  $-2.00/-1.00 \times 10$  degree
  - b)  $-2.00/-0.75 \times 180$  degree
  - c)  $-2.00/-1.00 \times 170$  degree
  - d)  $-2.00/-1.00 \times 90$  degree .
- x) Keratoconus shows presence of all *except*
- a) Munson sign
  - b) Krukenberg spindle
  - c) Vogt's striae
  - d) Sampaolesi's line.
- xi) HEMA (Hydroxy ethyl methacrylate) belongs to the ..... under FDA classification.
- a) Group - I
  - b) Group - II
  - c) Group - III
  - d) Group - IV.

**GROUP - B**

**( Short Answer Type Questions )**

Write short notes on any *three* of the following.

$3 \times 5 = 15$

- 2. Bifocal contact lens.
- 3. Base curve.
- 4. Tear lens' role in RGP C/L fitting.
- 5. Collagen shield.



**GROUP – C**  
**( Long Answer Type Questions )**

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

6. a) Describe the steps of soft tonic C/L fitting.  
b) What are the different stabilisation methods available for soft C/L ? Describe any one in detail.  $7\frac{1}{2} + 7\frac{1}{2}$
7. a) Mention the complications of soft C/L wear.  
b) Mention the indications of C/L in children.  
c) What are the differences in C/L fitting to be kept in mind while fitting a child and an adult patient.  $7 + 3 + 5$
8. What are the prefitting parameters to be fulfilled prior to fitting of soft C/L to ensure safe and comfortable SCL wearing.
9. How will you diagnose and manage a suspected mild dry eye syndrome patient desperately wanting to wear SCL ? If you prescribe SCL for this patient what precautions will you advice ?
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