

**B.Sc. (Hons.) IN OPTOMETRY AND  
OPHTHALMIC TECHNIQUES  
(BSCHOT)**

**Term-End Examination  
June, 2013**

**BOS-011 : CONTACT LENS**

*Time : 3 Hours*

*Maximum Marks : 70*

**PART-A**

*Attempt any five questions. Each carries 10 marks.*

**10x5=50**

1. Describe Rigid Gas Permeable fitting procedure step by step, with the help of diagram.
2. Compare different types of contact lenses in terms of material, advantages and disadvantages.
3. Describe the various refractive procedures performed these days.
4. Discuss the symptoms associated with the contact lens related complications.
5. Describe the composition of contact lens solution. Explain the usage of each component.

6. Explain step by step process for measurement of corneal curvature through Baurch and Lomb Keratometer.
  
7. If a spectacle prescription of 25 year old patient is  $-2.00\text{Dsph} / -1.50\text{DC} \times 180^\circ\text{BE}$  on fitting assessment lens is rotated towards left side of examiner  $10^\circ$ . What will be the final prescription in this case and explain the steps of fitting assessment ?

## PART-B

8. Attempt *any five* short notes. Each carries *four marks*. 4x5=20
- (a) Types of soft contact lenses on the basis of wear schedule
  - (b) Oxygen Flux
  - (c) Schirmer's Test
  - (d) Contraindications of Soft Contact Lenses
  - (e) Silicone Hydrogel Lenses
  - (f) Push-up Test
  - (g) Methods of Disinfection
  - (h) Contact lens deposits
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