

00844

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

**Term-End Examination**

**December, 2014**

**BOS-011 : CONTACT LENS**

*Time : 3 Hours*

*Maximum Marks : 70*

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*Note : Attempt any seven questions.*

*Each question carries 10 marks.*

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1. Explain in detail the steps of care and maintenance of contact lenses. 10
2. Draw a well labelled diagram of a soft contact lens. Explain its various parameters and their relation to each other. 10
3. A 22 year office executive using conventional contact lenses comes to you complaining of redness and at the end of the day and discomfort with his contact lenses. The wearing time is more than 12 hours per day. On examination you find deposits on contact lenses. What advice you will give him to solve his problem ? Explain different alternatives and care regimen required. 10

4. Write the contact lens prescription power and types of contact lenses available in below mentioned spectacle power :
- (a) (R)  $-3.50 \text{ Ds} / +1.0 \times 20^\circ$  3  
(L)  $-4.50 \text{ Ds} / -3.0 \times 40^\circ$
- (b) (R)  $-2.50 / -1.50 \times 90^\circ$  3  
(L)  $-3.50 / -1.25 \times 180^\circ$
- (c) (R)  $+4.50$  4  
(L)  $+3.50$  Add :  $+2.50 \text{ Ds BE}$
5. Describe the steps and assessment of Toric contact lens fitting. 10
6. Write short notes on : 5x2=10
- (a) Extended wear contact lenses  
(b) Push up test  
(c) Tear Break up time  
(d) Bandage contact lens  
(e) FDA classification
7. Explain the steps of rigid gas permeable contact lens fitting. 10
8. Discuss the different indications and contraindications of contact lenses. 10
9. Describe the recent trends in refractive surgery procedures. 10
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