

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

Term-End Examination

December, 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 different methods of contact lens disinfection.
2. Explain the instructions (Do's and don'ts) would you give to a person who is going to wear contact lenses for the first time.
3. Explain the steps of fitting assessment in spherical and toric soft contact lens.
4. Explain various causes of contact lens related complications.
5. Explain the risks and complications involved in reflective surgery ?
6. Describe the FDA classification for Hydrogel Lenses. Explain different groups under FDA classification with advantages and disadvantages of each group.

7. A 25 year old male has - 3.00 DSph power in both eyes and he is working on computer more than 14 hours. The keratometry readings are :
RE → 7.7mm @ 180°/7.7mm @90°and
LE →7.6mm @ 180°/7.7mm @90°
The patient has no ocular and systemic complaints. Write down the steps of fitting of soft contact lens and advise best suitable contact lens according to his work profile.

PART-B

8. Attempt **any five** short notes. Each carries **four** marks : 4x5=20
- (a) Tear film assessment
 - (b) Indications of Gas Permeable lenses
 - (c) Extended Wear Lenses
 - (d) Oxygen Transmissibility
 - (e) Cleaning of Contact Lenses
 - (f) Types of Contact Lenses on the basis of disposability
 - (g) Taco Test
 - (h) Wetting Agent
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