

00265

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

Term-End Examination

December, 2018

BOS-011 : CONTACT LENS

Time : 3 hours

Maximum Marks : 70

PART-A

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

1. Discuss the various Preliminary measurements and Ocular examinations one should do to select a patient for C.L. fitting. 5+5 = 10

2. Discuss about the various considerations for fitting Extended Wear Lenses. 10

3. Explain the risk and complications involved in corneal refractive surgery. 10

4. Explain the steps involved while handling the soft contact lens and their insertion and removal. 10

5. How does cornea receives oxygen during CL wear? Explain with respect to Oxygen Permeability, transmissibility and oxygen flux. 10

6. Explain in detail about the classification of contact lenses based on ocular needs. 10
7. The readings of a given eye are 43.50 @ 90° and 43.50 @ 180°. The Ref-error of his eye is -6.50 Dsph at a vertex distance of 12 mm. Determine the BVP of the contact lens that will correct it when : (a) Fitted on 'K' 10
(b) BC of CL is 42.75 Dk
(c) BC of CL is 44.00 Dk

PART-B

8. Attempt any five short notes. Each carries four marks : 4x5=20
- (a) Hydrogel lens deposits
 - (b) Contact Lens Induced Acute Red Eye (CLARE)
 - (c) Truncation
 - (d) Fitting of RGP Toric lenses for astigmatism
 - (e) Monovision Contact Lenses
 - (f) Orthokeratology
 - (g) Contra Indications of Contact Lenses
 - (h) Pushup Test
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