

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

Term-End Examination

December, 2015

BOS-011 : CONTACT LENS

Time : 3 Hours

Maximum Marks : 70

SECTION - A

There are **seven** questions attempt **any five**. Each carries **10** marks. **10x5=50**

1. A 20 year old female using spectacles of prescription RE : $-1.0 \text{ Dsph} / -1.0 \text{ Dcyl} \times 160$ and LE : $-2.0 \text{ Dsph} / -1.25 \times 180$ wishes to use contact lenses. Enlist the steps in fitting C.L. for this patient. What type of lens will you offer to this patient ? Write an empirical order for the same.
2. Describe any three complications of Rigid Contact lenses using appropriate diagrams.
3. Describe the indications and contraindications of contact lenses.
4. Discuss the criteria for selection of a patient for refractive surgery and its complications.
5. What are the various methods of contact lens disinfection ? Write in brief about each method.

6. A 30 year old female using conventional soft lenses for past ten years comes to your clinic with complaints of reduced wearing time, watering, irritation, redness at the end of the day and blurred vision with lenses. Her vision is blurred with spectacles on and after removal of her lenses. What is the probable cause and how will you manage it ?

7. Differentiate between : 5+5
(a) Low water and high water contact lens.
(b) Ionic and non-ionic lenses.

SECTION - B

8. Write short notes on **any five**. Each carries 4 marks : 4x5=20
(a) Contact lens deposits.
(b) Retroillumination technique of slit - lamp.
(c) Oxygen flux.
(d) Contact lenses in Aniridia.
(e) Multifocal contact lenses.
(f) Advantages of disposable contact lenses over conventional lenses.
(g) Contact lens follow up care.
