

**B.Sc. (HONS) IN OPTOMETRY AND
OPHTHALMIC TECHNIQUES**

Term-End Examination

June, 2011

BOS-011 : CONTACT LENS

Time : 3 hours

Maximum Marks : 70

PART - A

*There are Seven questions in this part. Attempt any
Five questions Each carries 10 marks. 5x10=50*

1. A 20 years old female has -4.50 D Sph power in both eyes. The keratometry readings are
RE : $7.50 @ 180 / 7.40 @ 90$ and
LE : $7.50 @ 180 / 7.45 @ 90$. The patient has no Ocular and systemic complaints. Write down the STEPS OF FITTING CONTACT LENS for this patient.
2. Describe the steps of fitting a SOFT TORIC CONTACT LENS.
3. Discuss in details the indications and contra indications of contact lenses.

4. Describe various methods of manufacturing contact lenses.
5. Describe various illumination techniques used for slit lamp examination with reference to contact lens examination and fitting.
6. Describe the steps of care and maintenance of contact lenses.
7. (a) Describe LASIK procedure.
(b) Explain the risks and complications of refractive surgery.

PART - B

Attempt any five short notes. Each carries four marks.

8. (a) TBUT. (Tear Break Up Time) 5x4=20
(b) Cosmetic contact lenses.
(c) Follow up examination of a contact lens user.
(d) Oxygen Transmissibility
(e) Chemical disinfection of contact lenses.
(f) Prism ballast stabilization technique of soft toric lenses.
(g) Fluorescein fitting assessment in RGP lenses.
(h) F.D.A. classification of soft lenses.
(i) Disposable contact lenses
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