Contact Lens BVOCOP-503

**Unit-1:**

Contact lens history & development. Benefits of contact lens over spectacle. Manufacturing methods-spin cast, Lethe cut, Cast modeling.

**Unit-2.**

Slit lamp Examination technique

**Unit-3.**

Corneal topography- Keratometry & Extended Keratometry

**Unit-4.**

Contact lens optics-Contact lens & spectacle lens. Back vertex calculation. Contact lens & Tear lens system.

**Unit-5.**

Classification of contact lens & its material (soft & RGP); Material property.

**Unit-6.**

Contact lens terminology. RGP & soft lens design. FDA classification of contact lens material.

**Unit-7.**

Patient selection & prescreening. Indications & contra indications of contact lens.

**Unit-8.**

Soft spherical contact lens fitting & Assesment.

**Unit-9.**

Soft contact lens case & maintenance.

**Unit-10.**

Spherical RGP contact lens fitting & assessment.

**Unit-11.**

RGP contact lens care & maintenance.

**Text Books**

1. Monica Chaudhry:Contact Lens Primer,Jaypee Brothers Medical Publishers,2007

**Reference:** 1.IACLE modules 1 - 10

2.CLAO Volumes 1, 2, 3

3.Anthony J. Phillips : Contact Lenses, 5thedition, Butterworth-Heinemann, 2006

4.Elisabeth A. W. Millis: Medical Contact Lens Practice, Butterworth-Heinemann, 2004

5..E S. Bennett ,V A Henry :Clinical manual of Contact Lenses, 3rd edition, Lippincott Williams and Wilkins, 2008