Ophthalmic Instrumentation & Procedure BVOCOP-305

**Unit-1**

Trial Set and Trail frame, , Standard Tests Charts, Retinoscopes-types and procedure. Telescopes and types. Simple and Compound Microscopes, Spectrometer.

**Unit 2**

Autorefractometer- subjective and objective types, Opthalmoscopes- Direct and Indirect types.

**Unit 3**

Slit lamp Biomicroscope, Tonometer, Keratometer, Lensometer, Trial frame design.

**Unit 4:**

Synsaptophore,A scan,ERG,Perimetry,Corneal Topography.

**Text Book:**

1. AK Khurana: Theory & Practice of Optics & Refraction,4th Edition,Elsevier Publications,2006. **Reference:**

1. Introduction to Visual Optics, Alan H. Tunacliffe(1987)

2. Clinical Optics- 2nd ed (1991)- A.R. Elington & H.J. Frank

3. Optics & Refraction-L.P. Agarwal.

4. Clinical Optics- Borrish.