Binocular Vision BVOCOP-504

**Unit: 1**

Binocular Vision and Space perception. Relative subjective visual direction. ,Retino motor value ,Grades of BSV ,SMP and Cyclopean Eye ,Correspondence, Fusion, Diplopia, Retinal rivalry ,Horopter ,Physiological Diplopia and Suppression ,Stereopsis, Panum’s area, BSV. ,Stereopsis and monocular clues - significance. ,Egocentric location, clinical applications. Theories of Binocular vision.

**Unit: 2**

Uniocular & Binocular movements - fixation, saccadic & pursuits. ,Version & Vergence.

**Unit: 3**

Neuro-muscular anomalies, Classification and etiological factors

**Unit :4**

Convergent strabismus Accommodative convergent squint –Classification,Investigation and Management .Non accommodative Convergent squint,Classification ,Investigation and Management **Unit :5**

Divergent Strabismus-Classification A& V phenomenon Investigation and Management.Vertical strabismus- Classification Investigation and Management Unit: IV Paralytic Strabismus- Acquired and Congenital Clinical Characteristics Distinction from comitant and restrictive Squint Investigations –

**Unit: 6**

Clinical features of Restrictive Strabismus-Duane’s Retraction syndrome,Brown’s Superior oblique sheath syndrome,Strabismus fixus ,Congenital muscle fibrosis

**Unit :7**

History and symptoms ,Head Posture -Diplopia Charting ,Hess chart ,PBCT ,Nine directions,Surgical & Non Surgical Management of Squint

**Text Books:**

1.AK Khurana: Theory and Practice of Squint and Orthoptics,CBS Publishers,2017

2.AK Khurana: Comprehensive Ophthalmology, sixth edition, JP Publishers, New Delhi, 2015

**Reference:**

1.Pradeep Sharma: Strabismus simplified, New Delhi, First edition, 1999, Modern publishers.

3. Fiona J. Rowe: Clinical Orthoptics, second edition, 2004, Blackwell Science Ltd

4. Gunter K. Von Noorden: BURIAN- VON NOORDEN’S Binocular vision and ocular motility theory and management of strabismus, Missouri, Second edition, 1980, C. V. Mosby Company

5. Mitchell Scheiman; Bruce Wick: Clinical Management of Binocular Vision Heterophoric, Accommodative, and Eye Movement Disorders, 2008, Lippincot Williams & Wilkins publishers

6.AK Khurana, Indu Khurana: Anatomy and Physiology of Eye, Second edition, CBS Publishers, New Delhi, 2006