Ocular Disease BVOCOP-302

**Unit-1.**

Anterior segment ocular diseases involving orbit, eyelids, adnexa, conjunctiva, cornea, urea, sclera, anterior chamber, iris and lens. Symptomatology, clinical signs, diagnosis, pathogenesis, pathophysiology , systemic disease relationships and treatment of degenerative, infections and inflammatory conditions affecting these structures.

**Unit-2.**

Disease of the Lids – Congenital Deformities of the Lids . Oedema of the Lids. Inflammatory Conditions of the Lids. Deformities of the Lid Margins. Deranged Movement of the Eyelids. Neoplasm’s of the Lids. Injuries of the Lids.

**Unit-3.**

Diseases of the Lacrimal Apparatus-. Dry Eye. Disease of the Lachrymal Gland. Disease of the Lachrymal Passages. Operations for Chronic Dacryocystitis.

**Unit-4.**

Disease of the Conjunctiva- Subconjunctival Haemorrhage Infective Conjunctivitis. Follicular Conjunctivitis. Granulomatous Conjunctivitis. Allergic Conjunctivitis. Conjunctivitis Associated with Skin conditions. Degenerative conditions of the Conjunctiva. Vitamin- A Deficiency. Cysts and Tumours of the Conjunctiva. Conjunctival Pigmentation. Injuries of the Conjunctiva.

**Unit-5.**

Disease of the Cornea –Congenital Anomalies. Inflammation of the Cornea (Keratitis). Superficial Keratitis. Deep Keratitis. Vascularisation of Cornea. Opacities of the Cornea. Keratoplasty. Corneal Degenerations. Corneal Dystrophy’s. Corneal Pigmentation. Corneal Injuries. Refractive Corneal Surgery. Corneal Ulcer (Bacterial, Viral , Fungal )

**Unit-6.**

Disease of the Sclera- Episcleritis. Scleritis. Staphyloma of the Sclera. Blue Sclerotic Scleromalacia Performs. Nanophthalmos. Injuries of the Sclera.

**Unit-7.**

Disease of the Iris.-. Congenital Anomalies. Inflammations (Anterior Uveitis) . Specific Types of Iriodocyclitis . Degenerations of the Iris. Cysts and Tumours of the Iris. Injuries of the Iris.

**Unit-8.**

Disease of the Ciliary Body- Inflammations of the Ciliary Body. Purulent Iriodocyclitis (Panophthalmitis) . Evisceration. Sympathetic Opthalmia. Vogt- Koyanagi – Harada Syndrome. Tumours of the Celery body. Injuries of the Celery body.

**Unit-9.**

Disease of the Lens- Congenital Malformations. Cataract . Congenital and Developmental Cataract . Senile Cataract. Traumatic Cataract. Complicated Cataract. Secondary Cataract. After Cataract. Dislocation of the Lens. SurgicalProcedures for Removal of the Lens (Operative Steps Only). Phacoemulsification (ICCE, ECCE, IOL). Small Incision Cataract Surgery (Manual Phaco).Intraocular Lens Implantation-AC+PC, IOL.

**Unit-10.**

Retinal Artery Occlusion-CRAO,CRBO,Retinal Vein OcclusionCRVO,BRVO,Hypertensive retinopathy,Diabetic Retinopathy,Retinopathy of Prematuarity,,Retinitis Pigmentosa,Central serous Chorioretinopathy,Cystoid Macular Eodema,ARMD,,Retinal Detachment,Retinoblastoma

**Unit-11.**

Glaucoma- .Formation of Aqueous Humor. Drainage of Aqueous. Intraocular Pressure(IOP) .Ocular Rigidity.Tonography. Developmental Glaucoma (Buphthalmos) . Primary Narrow Angle Glaucoma. Primary Open Angle Glaucoma. Normotensive Glaucoma . Ocular Hypertension . Secondary Glaucoma. Surgical Procedures for Glaucoma (Steps Only) ,YagPI ,trabeculectomy. Laser Procedure in Glaucoma . Artificial Drainage Devices in Glaucoma Surgery(Molteno).

**Text Book**

AK Khurana: Comprehensive Ophthalmology, sixth edition, JP Publishers, New Delhi, 2015 **Reference Books** Jack j. Kanski: Clinical Ophthalmology,2003, Butterworths