

पाटन स्वास्थ्य विज्ञान प्रतिष्ठान सेवा आयोग
**प्राक्तिक सेवा, आँखारोग समूह, सहायक प्राध्यापक नवौं ख (९ ख) तहको खुला र आन्तरिक प्रतियोगितात्मक
परीक्षाको पाठ्यक्रम**

Paper II: Technical Subject

- 1. Anatomy, Physiology and Developmental anomaly of**
 - 1.1 Eyelids
 - 1.2 Orbit
 - 1.3 Eye Ball
- 2. Optics & Refraction**
 - 2.1 Refractive errors
 - 2.2 Contact lens
 - 2.3 Low vision aids
 - 2.4 Refractive surgeries
- 3. Conjunctiva**
 - 3.1 Applied Anatomy and physiology of conjunctiva
 - 3.2 Conjunctivitis: types, causes, clinical features
 - 3.3 Degenerative conditions
 - 3.4 Tumors
- 4. Cornea**
 - 4.1 Applied Anatomy, physiology and innervations of cornea
 - 4.2 Types of keratitis
 - 4.3 Corneal ulcers
 - 4.4 Dystrophies & Degenerations
 - 4.5 Keratoplasty
- 5. Sclera**
 - 5.1 Applied anatomy of sclera in relation to Squint and retinal detachment surgeries.
 - 5.2 Episcleritis
 - 5.3 Scleritis
 - 5.4 Sclerokaratitis
- 6. Crystalline lens**
 - 6.1 Applied Anatomy and physiology of lens
 - 6.2 Cataract: type and causes of cataract.
 - 6.3 Management of cataract and phacoemulcification.
- 7. Lids and ocular adnexa ,Orbit & lacrimal system**
 - 7.1 Applied anatomy and physiology
 - 7.2 Common eye lids conditions: Stye, Chalazion, Blepharitis, Ectropion and Entropion
 - 7.3 Proptosis

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- 7.4 Ptosis.
 - 7.5 Dacryocystitis.
 - 7.6 Common eye lids tumors
- 8. Glaucoma**
- 8.1 Anatomy of angle structures and its clinical implications
 - 8.2 Glaucoma: classification of glaucoma and diagnosis.
 - 8.3 Surgical management
 - 8.4 Antiglaucoma drugs
- 9. Uveal tract**
- 9.1 Anatomy and physiology of uveal tract and clinical significance
 - 9.2 Uveitis: types and aetiopathology of uveitis
- 10. Retina & Vitreous**
- 10.1 Applied anatomy, physiology and blood circulations of retina and vitreous
 - 10.2 Diabetic and Hypertensive retinopathy
 - 10.3 Retinal Detachment
 - 10.4 Retinal vascular occlusive disorders
 - 10.5 Retinopathy of prematurity
 - 10.6 Age related macular degeneration
 - 10.7 Retinal tumors
- 11. Strabismus**
- 11.1 Binocular single vision & anomalies
 - 11.2 Extraocular muscles and ocular motility
 - 11.3 Strabismus: Definition, Classification and management.
- 12. Ocular emergencies and Injuries**
- 12.1 Classification of ocular injuries.
 - 12.2 Traumatic hyphaema
 - 12.3 Intraocularforeign body (s)
 - 12.4 Chemical Burns of eye
- 13. Parasitic &Protozoal infestations of eye**
- 14. Effects of High altitude on eye**
- 15. Anti VEGF in ophthalmology**
- 16. Investigations in ophthalmology: X-Ray of orbit, USG, OCT, Fluorescence angiography**
- 17. Electrophysiology: ERG / VEP**

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 - a.Applied anatomy and physiology in relation to lids and lacrimal system (NLD) surgeries
 - b. Common eye lids conditions: Stye, Chalazion, Blepharitis,Ectropion and Entropion
 - c.Proptosis
 - d. Ptosis.
 - e.Dacryocystitis.
 - f.Common eye lids tumours
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 - a.Anatomy of angle structures and its clinical implications

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