

DETAILED SYLLABUS FOR THE POST OF ASSISTANT PROFESSOR
IN OPHTHALMOLOGY - MEDICAL EDUCATION DEPARTMENT

CAT NO: 124/2024 - TOTAL MARKS : 100

1. Optics & Refraction [6]
 - a) Elementary Optics & Physiology (2)
 - b) Refraction (2)
 - c) Refractive error of eye (2)
2. Anatomy & Physiology of eye [6]
 - a) Embryology, Anatomy & Physiology of eye (2)
 - b) Physiology of vision(2)
 - c) Neurology of vision (2)
3. Ocular Examination Techniques & Ocular Therapeutics[10]
 - a) Visual function assessment & Ocular Symptoms (3)
 - b) Examination of Anterior Segment (2)
 - c) Examination of Posterior Segment & Orbit (2)
 - d) Ocular Microbiology (1)
 - e) Ocular therapeutics (2)
4. Disease of the Eye [32]
 - a) Disease of the Conjunctiva (3)
 - b) Disease of the Cornea (3)
 - c) Disease of the Sclera (2)
 - d) Disease of the Uveal tract (2)
 - e) Disease of the Lens (4)
 - f) Disease of the Glaucoma (4)
 - g) Disease of the Retina (4)
 - h) Disease of the Vitreous (3)
 - i) Disease of the Optic Nerve (2)
 - j) Disease of the Intraocular Tumors (3)
 - k) Injuries to eye (2)
5. Motility Disorders/ Strabismus [8]

- a) Anatomy & Physiology of Motor mechanism (2)
 - b) Comitant Strabismus (3)
 - c) Incomitant Strabismus (3)
6. Disease of Adnexa [6]
- a) Disease of the lids (2)
 - b) Disease of the Lacrimal apparatus (2)
 - c) Disease of Orbit (2)
7. Systemic Ophthalmology [7]
- a) Ocular manifestations of Systemic Disease (3)
 - b) Diseases of nervous system with Ocular manifestations (2)
 - c) Effects of systemic drugs on eye (2)
8. Preventive Ophthalmology [7]
- a) Causes & Prevention of blindness (2)
 - b) Genetic Ophthalmology (2)
 - c) Eye banking and Eye donation (2)
 - d) Eye Camps (1)
9. Surgical Instruments in Ophthalmology [7]
- a) Instruments in Ophthalmology (2)
 - b) Local Anesthesia in Ophthalmology (2)
 - c) Lasers in Ophthalmology (3)
10. Operative Ophthalmology [11]
- a) Surgical procedures for Cataract (3)
 - b) Surgical procedures for Glaucoma (3)
 - c) Vitreoretinal surgeries (3)
 - d) Surgeries of Eyelids & Lacrimal apparatus (2)

NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper