

**POST GRADUATE EXAMINATION, JUNE - 2023**

**MS OPHTHALMOLOGY**

**(PAPER ONE)**

**BASIC SCIENCES**

**(OCULAR ANATOMY, PHYSIOLOGY, PHARMACOLOGY AND PATHOLOGY)**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

- Q. 1.** Describe in detail anatomy of Retina and describe its embryological development. **(20)**
- Q. 2.** Discuss in detail physiology of aqueous humour production and factors affecting it. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Anti fungal drugs
  - b. Surgical management of keratoconus
  - c. Dark adaptation
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. Physiology of corneal endothelium
  - b. Techniques of Facial block
  - c. EOG
  - d. Physiology of Light near dissociation
  - e. Diagram of Dallen Fuch's Nodule

---

X

**POST GRADUATE EXAMINATION, JUNE - 2023**  
**MS OPHTHALMOLOGY**  
**(PAPER TWO)**  
**CLINICAL OPHTHALMOLOGY INCLUDING SURGERY**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

- Q. 1.** Discuss etiopathogenesis and management of retinal necrosis. (20)
- Q. 2.** Discuss in detail about classification and management of congenital glaucoma. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Classification and management of Ectropion
  - b. Stromal corneal Dystrophies and management
  - c. Blepharophimosis
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Brown syndrome
  - b. Optic drusen
  - c. Keratoprosthesis
  - d. Ectopia lentis
  - e. Ocular Migraine

**POST GRADUATE EXAMINATION, JUNE – 2023**

**MS OPHTHALMOLOGY  
(PAPER THREE)**

**OPTICS, REFRACTION AND INVESTIGATIVE OPHTHALMOLOGY**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

**Q. 1.** Define and classify Amblyopia. Discuss the approach to a case of amblyopia. **(20)**

**Q. 2.** Cataract management in patients who have undergone refractive surgery. **(20)**

**Q. 3. Describe briefly:** **(3 x 10 = 30)**

- a. Telescopes in Ophthalmology
- b. Pediatric visual assessment
- c. Divergent squint and its management

**Q. 4. Write short notes on:** **(5 x 6 = 30)**

- a. Indocyanine Angiography
- b. Ganglion cell analysis
- c. Optics of Reduced eye
- d. One and half syndrome
- e. Duochrome test

---

X

**POST GRADUATE EXAMINATION, JUNE - 2023**

**MS OPHTHALMOLOGY  
(PAPER FOUR)**

**RECENT ADVANCES, SYSTEMIC OPHTHALMOLOGY, COMMUNITY OPHTHALMOLOGY &  
MEDICOLEGAL ASPECTS IN OPHTHALMOLOGY**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

**Q. 1.** Describe the role of Gene therapy in Ophthalmology. Discuss the current gene therapy for retinitis pigmentosa. **(20)**

**Q. 2.** Ocular manifestations of Syphilis and their management **(20)**

**Q. 3. Describe briefly:** **(3 x 10 = 30)**

- a. Ocular manifestations in COVID-19.
- b. Recent management of persistent epithelial defect.
- c. Recent advances in management of ocular squamous cell carcinoma.

**Q. 4. Write short notes on:** **(5 x 6 = 30)**

- a. CMV retinitis in HIV
- b. High index glasses
- c. Role of Tacrolimus in ophthalmology
- d. Management protocol for Choroid Tuberculoma
- e. Diffractive multifocal IOL.

X

---