

**POST GRADUATE EXAMINATION, JUNE - 2021**

**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 development, anatomy and anomalies of lacrimal system. (20)
- Q. 2. Discuss anatomical & physiological basis of binocular vision. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Duane's retraction syndrome
  - b. Ideal eye camps
  - c. Intra vitreal drugs
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Fortified eye drops
  - b. Optics of contact lens
  - c. Corneal endothelial pump
  - d. Prisms in ophthalmology
  - e. Dark & light adaptation

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**POST GRADUATE EXAMINATION, JUNE - 2021**  
**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.** Define scleritis. Discuss its etiology, pathogenesis, classification and management. **(20)**

**Q. 2.** Discuss the etiology, classification and management of Retinopathy of prematurity. **(20)**

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

- a. Choroidal granuloma
- b. Ocular ischemic syndrome
- c. Sturge weber Disease

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

- a. Infantile esotropia
- b. Carotid cavernous fistula
- c. Mucocele
- d. Andersons criterion
- e. Ectopia lentis

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**POST GRADUATE EXAMINATION, JUNE - 2021**

**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.** Discuss the etiology, pathogenesis, clinical course and management of exudative retinal detachment. **(20)**

**Q. 2.** Classify lid tumors. Discuss the management of lower lid basal cell carcinoma. **(20)**

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

- a. Discuss the electrophysiological test for optic nerve
- b. Ectatic conditions of cornea
- c. Limbal stem ischaemia and its management

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

- a. Extended wear contact lenses
- b. Ciliary body melanoma
- c. Sclerocornea
- d. Nevus of Ota
- e. One and half syndrome

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**POST GRADUATE EXAMINATION, JUNE - 2021**

**MS OPHTHALMOLOGY  
(PAPER FOUR)**

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

**[Time allotted: Three hours]**

**[Max Marks: 100]**

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

- Q. 1.** Discuss role of femtosecond assisted laser procedures. **(20)**
- Q. 2.** Describe in detail newer surgical & laser procedures in management of glaucoma. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Role of Botulinum toxin in ophthalmology
  - b. Age related eye disease study I & II
  - c. Ocular side effects of systemic medications
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. Idiopathic macular telangiectasia
  - b. Boston keratoprosthesis
  - c. Vertical gaze palsy
  - d. Methods to reduce rate of posterior capsular opacification in cataract surgery
  - e. International classification of retinoblastoma

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