

POST GRADUATE EXAMINATION, APRIL/MAY-2022

**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 lacrimal system and describe its embryological development. (20)
- Q. 2.** Discuss in detail physiology of aqueous humor 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. MULTIFOCAL ERG
 - d. Physiology of Light near dissociation
 - e. Diagram of Dallen Fuch's Nodule

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**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 Lacrimal gland tumours
- b. Stromal corneal Dystrophies and management
- c. Blepharophimosis

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

- a. Brown syndrome
- b. Optic Disc drusen
- c. Keratoprosthesis
- d. Ectopia lentis
- e. Ocular Migraine

X

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**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 approach to a case of amblyopia. **(20)**

Q. 2. Cataract management in patients who have undergone corneal 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. Fundus fluorescein angiography
- b. Ganglion cell analysis
- c. Optics of Reduced eye
- d. One and half syndrome
- e. Duochrome test

X

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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 amniotic membrane in ophthalmology. Discuss the preparation and storage of amniotic membrane. **(20)**

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

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

- a. Ocular manifestations in Behcet's Disease
- b. Role of Vitamin D in eye.
- c. Stem cell therapy in Ophthalmology

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

- a. Tissue adhesives
- b. Optical low vision Aids
- c. Role of viscoelastics in ophthalmology
- d. Giant cell arteritis
- e. OCT angiography

X