

POST GRADUATE EXAMINATION, MAY- 2020

**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 & various congenital anomalies of lens. (20)
- Q. 2.** Discuss physiology of pupil and various causes of anisocoria. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Role of anti-metabolite drugs in ophthalmology
 - b. Pathogenesis of papilledema
 - c. Diagrammatic representation of orbital apex
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Viscoelastics
 - b. Congenital anomalies of lacrimal system
 - c. ERG
 - d. Megalocornea
 - e. Conjunctival impression cytology

X

POST GRADUATE EXAMINATION, MAY- 2020

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. Describe various malignant tumors of lid. **(20)**

Q. 2. Describe causes of proptosis upto 10 years of age. **(20)**

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

- a. Developmental glaucoma
- b. Management of subluxated catarectus lens
- c. Anterior ischaemic optic neuropathy

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

- a. Sturge Weber syndrome
- b. Ocular & systemic features of immunological disorders
- c. Management of paralytic squint
- d. Congenital optic atrophy
- e. Early and late ocular features of head injury

X

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MS OPHTHALMOLOGY

(PAPER THREE)

OPTICS, REFRACTION & INVESTIGATIVE OPHTHALMOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss mechanism and anomalies of accommodation. **(20)**

Q. 2. How will you assess vision in children upto two years of age? **(20)**

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

- a. Types of contact lens & their uses
- b. Surgical options for correction of astigmatism in cataract surgery
- c. Specular microscopy

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

- a. Genetics of retinoblastoma
- b. Role of “B” scan in ophthalmology
- c. Anderson’s criteria for glaucomatous field defect
- d. Angiography in diabetic retinopathy
- e. Sturm’s conoid

X

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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 ocular manifestations of tuberculosis. **(20)**
- Q. 2.** Describe fluidics and power-modulation in phacoemulsification. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Meningioma of optic nerve
 - b. Role of atropine in myopia treatment
 - c. Laser trabeculoplasty
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. ReLEx smile
 - b. Anterior segment OCT
 - c. Methods & indications of pan-retinal photocoagulation
 - d. I-Stent in glaucoma surgery
 - e. Role of CONSENT in ophthalmic procedures

X