

**POST GRADUATE EXAMINATION, MAY - 2018**

**MS OPHTHALMOLOGY  
(PAPER ONE)**

**BASIC SCIENCES (OCULAR ANATOMY, PHYSIOLOGY AND PHARMACOLOGY)**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

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

**Q. 1.** Discuss development and various congenital anomalies of lens. **(20)**

**Q. 2.** How do you classify astigmatism? Describe etiology and various methods to detect and measure astigmatism. **(20)**

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

- a. Blood supply of orbit
- b. Physiology of dark & light adaptation
- c. Investigations for diplopia

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

- a. Anti-fungal drugs
- b. Multifocal ERG
- c. Vital stains used in ophthalmology
- d. Tests for stereopsis
- e. Indocyanine green angiography

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POST GRADUATE EXAMINATION, MAY - 2018

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 in detail vision assessment in children. (20)

Q. 2. Describe in detail role of various imaging techniques for optic disc and RNFL evaluation in glaucoma. (20)

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

- a. Endocrine exophthalmos
- b. Sturm's conoid
- c. Corneal topography

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

- a. Various types of indirect gonio lens
- b. Radiographic investigations of orbit
- c. Dynamics of phaco-emulsification machine
- d. Convergence insufficiency
- e. Scleromalacia perforans

X

## POST GRADUATE EXAMINATION, MAY - 2018

## MS OPHTHALMOLOGY

(PAPER THREE)

## OPTICS, REFRACTION &amp; INVESTIGATIVE OPHTHALMOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

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

- Q. 1.** Discuss in detail about sympathetic ophthalmitis. (20)
- Q. 2.** Discuss in detail about retinoblastoma. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- Cavernous sinus thrombosis
  - Accommodative esotropia
  - Retinopathy of prematurity
- Q. 4. Write short notes on:** (5 x 6 = 30)
- UBM
  - Sixth nerve palsy
  - Vogt Koyanagi Harada syndrome
  - Ocular manifestations of AIDS
  - Diabetic papillopathy

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**POST GRADUATE EXAMINATION, MAY - 2018**

**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 the pathophysiology of age related macular degeneration and its management. **(20)**

**Q. 2.** Discuss the ocular manifestations of HIV. **(20)**

**Q. 3. Describe briefly:** **(3 x 10 = 30)**  
a. Sjogrens syndrome  
b. Low vision devices  
c. Ischemic optic neuropathy

**Q. 4. Write short notes on:** **(5 x 6 = 30)**  
a. DSAEK  
b. Visually handicapped certification  
c. Peripheral ulcerative keratitis  
d. Aflibercept  
e. One and a half syndrome

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