

QP Code:

Reg.No.:.....

**MS Degree Examinations in Ophthalmology
(Model Question Paper)**

Paper I - Basic Sciences Applied to Ophthalmology

Time: 3 hrs

Max marks:100

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

Essays:

(20)

1. Describe in detail the aqueous dynamics.

Short Essays:

(8x10=80)

2. Role of stem cell transplantation in ophthalmology
3. Mebomian carcinoma and its histopathology
4. Contrast sensitivity
5. Visual assessment in pre-school children
6. Humphrey perimetry and its role in the detection of glaucoma progression
7. Role of fundus fluorescein angiography in the management of diabetic retinopathy.
8. Localisation of intraocular foreign body
9. Immuno suppression in the management of uveitis

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**Paper II – Refraction, Strabismus, Neurophthalmology & Systemic
Ophthalmology**

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(20)

1. Discuss the various methods of management of myopia

Short Essays:

(8x10=80)

2. Painful ophthalmoplegia
3. Adaptation to strabismus
4. Discuss the cause for III nerve palsy
5. Describe the ocular manifestation of rheumatoid arthritis
6. Cortical blindness
7. Clinical features and management of anterior ischemic optic neuropathy
8. Demyelinating optic neuritis
9. Superior oblique palsy.

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**Paper III – Diseases and Surgery of Anterior Segment, Posterior
Segment and Ocular Adnexae**

Time: 3 hrs

Max marks:100

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

Essays:

(20)

1. Discuss the aetiology and clinical features of bacterial keratitis. Outline the method of investigation and management

Short Essays:

(8x10=80)

2. Band shaped keratopathy
3. Discuss the management of paediatric cataract
4. Steroid responsiveness
5. Pseudo exfoliation syndrome
6. Clinical features of irido corneal endothelial syndrome
7. Role of periocular steroids in the management of anterior uveitis
8. Classification and differential diagnosis of diabetic retinopathy.
9. Detection, management and follow up of retinopathy of prematurity

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Paper IV – Recent Advances in Ophthalmology

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(20)

1. Recent trends in the management of keratoconus

Short Essays:

(8x10=80)

2. Imaging techniques in glaucoma
3. TORIC IOL
4. Ocular Response Analyser- its use in the management of glaucoma
5. Balloon dacryocystoplasty
6. Osteodento keratoprosthesis
7. Current trends in the management of subluxated lens
8. Surgical management of duanes retraction syndrome
9. Use of botulinum toxin in ophthalmology
