THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MS 0524] **MAY 2024** **Sub. Code: 4011**

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

PAPER III – SYSTEMIC DISEASES IN RELATION TO OPHTHALMOLOGY

Q.P. Code: 224011

Time: Three Hours **Maximum: 100 Marks**

Elaborate on: **(2 x 15 = 30)**

1. Discuss in detail about causes of defective vision in diabetic patient and discuss in detail about the management of diabetic retinopathy.

2. Young male smoker with history of protrusion of both eyes and ocular discomfort. Write your probable diagnosis and management of the same condition.

II. Write notes on: **(10 x 7 = 70)**

1. Pilocarpine.
2. Dry eye disease.
3. Toxic amblyopia.
4. Peripheral ulcerative keratitis.
5. Bulls eye maculopathy.
6. Chronic progressive ophthalmoplegia.
7. Idiopathic intracranial hypertension.
8. Central serous retinopathy.
9. Lagophthalmos.
10. Complicated cataract.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MS 1224] **DECEMBER 2024** **Sub. Code: 4011**
(OCTOBER 2024 EXAM SESSION)

M.S. DEGREE EXAMINATION

OPHTHALMOLOGY

PAPER III – SYSTEMIC DISEASES IN RELATION TO OPHTHALMOLOGY

Q.P. Code: 224011

Time: Three Hours **Maximum: 100 Marks**

Elaborate on: **(2 x 15 = 30)**

1. A 50-year-old male patient, smoker, comes with sudden painless loss of vision in one eye discuss
   a) Etiopathogenesis of this disease.
   b) Management.
   c) Complications – Management.

2. A 60-year-old female, with irritation, FB sensation, frothy discharge and visual disturbances.
   a) What is the etiological diagnosis and associated systemic conditions.
   b) Clinical evaluation.
   c) Management.

II. Write notes on: **(10 x 7 = 70)**

1. Amaurosis fugax.
2. Horner's syndrome.
3. Blow – in fracture.
4. Ocular manifestation in systemic lupus erythematous.
5. Wernicke's encephalopathy.
6. Uthoff phenomenon.
7. Secondary optic atrophy.
8. Paramedian Pontine Reticular Formation (PPRF).
9. ROP – risk factors and surgical options.
10. Sickle Cell Retinopathy.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MS 0525] **MAY 2025** **Sub. Code: 4011**

M.S. DEGREE EXAMINATION

OPHTHALMOLOGY

PAPER III – SYSTEMIC DISEASES IN RELATION TO OPHTHALMOLOGY

Q.P. Code: 224011

Time: Three Hours **Maximum: 100 Marks**

Elaborate on: **(2 x 15 = 30)**

1. A 30-year-old male presented with sudden loss of vision in RE for 2 days associated with pain on movement of eyes and has a history of previous similar episode with complete recovery. Discuss the etiology, clinical features, investigations and management of the condition.

2. A 20-year-old male presents with pain, photophobia and defective vision of 2 days duration in RE and h/o joint pain and low back ache for 4 months duration. Discuss differential diagnosis, evaluation and management of the condition.

II. Write notes on: **(10 x 7 = 70)**

1. Bilateral panuveitis.
2. Interstitial keratitis.
3. Ocular manifestations in rheumatoid arthritis.
4. Roper Hall classification.
5. Choroidal Melanoma.
6. Hereditary optic neuropathies.
7. Steroid induced glaucoma.
8. Retinoschisis.
9. Pulfrich Phenomenon.
10. Pseudohypopyon.

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THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MS 1025] **OCTOBER 2025** **Sub. Code: 4011**

M.S. DEGREE EXAMINATION

OPHTHALMOLOGY

PAPER III – SYSTEMIC DISEASES IN RELATION TO OPHTHALMOLOGY

Q.P. Code: 224011

Time: Three Hours **Maximum: 100 Marks**

Elaborate on: **(2 x 15 = 30)**

1. Discuss the principles, procedure and interpretation of FFA in retinal vascular diseases.

2. A 40-year-old male presented with progressive variable bilateral asymmetric ptosis and diplopia for three months. Discuss the differential diagnosis, evaluation and management of the condition.

II. Write notes on: **(10 x 7 = 70)**

1. Cavernous sinus thrombosis.
2. Ocular Ischemic syndrome.
3. Pseudo Forest Kennedy syndrome.
4. Chloroquine toxicity.
5. Ocular Histoplasmosis syndrome.
6. Systemic risk factors for normal tension glaucoma.
7. Cover tests.
8. Interstitial keratitis.
9. Steven Johnson syndrome.
10. Adie’s pupil.

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THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MS 0526] **MAY 2026** **Sub. Code: 4011**

M.S. DEGREE EXAMINATION

OPHTHALMOLOGY

PAPER III – SYSTEMIC DISEASES IN RELATION TO OPHTHALMOLOGY

Q.P. Code: 224011

Time: Three Hours **Maximum: 100 Marks**

Elaborate on: **(2 x 15 = 30)**

1. A 60-year-old diabetic patient with double vision for 2 days, headache with retro orbital pain, mild drooping of Right eye.
   a) Clinical examination / tests to conclude diagnosis.
   b) Etiological causes.
   c) Management.

2. A 6-year-old child with sudden onset unilateral protrusion of eye rapidly increasing in size.
   a) What are the etiological causes?
   b) Investigations / Management.
   c) Ocular complication after treatment of this condition.

II. Write notes on: **(10 x 7 = 70)**

1. Ocular Ischemic syndrome.
2. Edrophonium test.
3. Ophthalmic signs in multiple sclerosis.
4. Ocular manifestations of Wilson’s disease.
5. Orbital cellulitis in diabetic patients.
6. Vision threatening thyroid eye disease.
7. Intermittent proptosis.
8. Bitemporal hemianopia.
9. Sarcoid associated uveitis.
10. Ocular manifestations in pregnancy induced hypertension.

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