

OPHTHALMOLOGY

PAPER- I

Time : 3 hours
Max. Marks : 100

OPH/D/11/26/I

Attempt all questions in order.
Each question carries 10 marks.

1. Discuss clinical features, pathogenesis and management of normal tension glaucoma. 3+3+4
2. Describe clinical manifestations, pathology, differential diagnosis and management of ocular basal cell carcinoma. 2+2+2+4
3. Discuss the vascular supply of optic nerve. Describe fluorescein angiographic details of optic nerve head. Give the relevance of optic nerve head blood supply in AION. 4+3+3
4. Describe etiology, clinical features and management of Eales disease. 2+4+4
5. Discuss differential diagnosis of peripheral ulcerative keratitis. Briefly outline the workup in a patient with peripheral ulcerative keratitis. 7+3
6. Describe etiopathogenesis, clinical features, prevention and management of keratomalacia. 2+2+2+4
7. Describe clinical features, investigations, histopathology and management of pleomorphic adenoma of lacrimal gland. 3+2+3+2
8. What is binocular vision? What are the grades of binocular vision and mention a few important tests for stereopsis? 2+4+4
9. Discuss etiology, clinical features and management strategies for diabetic macular oedema. 3+3+4
10. Write about clinical presentation, investigations, histopathology and management of choroidal melanoma. 2+3+2+3

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PAPER- II

Time : 3 hours
Max. Marks : 100

OPH/D/11/26/II

Attempt all questions in order.
Each question carries 10 marks.

1. Discuss in detail about Vogt-Koyanagi Harada syndrome. 10
2. Classify allergic conjunctivitis. Discuss the pathogenesis, clinical features and treatment options in vernal kerato-conjunctivitis. 2+2+3+3
3. Describe muscle transplantation procedures in strabismus. 10
4. Discuss clinical features, complications and management of ocular alkali burns. 3+2+5
5. Write immunological aspect, clinical features, risk factors and management of corneal graft rejection. 3+2+3+2
6. Classify ectropion and describe management of paralytic lagophthalmos. 2+8
7. Describe the types of astigmatism and their management. 5+5
8. Discuss differential diagnosis of Leukocoria. 10
9. Describe causes of failed dacryocystorhinostomy. How will you manage such a case? 4+6
10. What are the surgical approaches to orbit? Describe indications, surgical steps and complications of lateral orbitotomy. 2+2+3+3

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PAPER- III

Time : 3 hours
Max. Marks : 100

OPH/D/11/26/III

**Attempt all questions in order.
Each question carries 10 marks.**

1. Describe basic principles and important techniques of lid reconstruction. 3+7
2. Draw labeled diagram of tear film. What is neuronal reflex arc and its relevance to development of new modality in the treatment of dry eye. 5+3+2
3. Discuss toxoplasmosis. 10
4. What is pure and impure Blow-out fracture? Describe mechanism, clinical features, investigations and management of Blow-out fracture. 2+3+2+2
5. Describe staging, risk factors and outline management principles of retinopathy of prematurity. 4+2+4
6. Describe clinical features and management of Traumatic Optic-neuropathy. 5+5
7. What is Botulinum toxin? Discuss its use in the management of various ocular diseases. 2+8
8. How do you classify giant retinal breaks? Describe its etiology, pre-operative evaluation and principles of management. 2+2+2+4
9. Discuss in detail about congenital glaucoma (clinical features and management options). 5+5
10. Write a note on "Kerato-prosthesis"? 10

OPHTHALMOLOGY

PAPER- IV

Time : 3 hours
Max. Marks : 100

OPH/D/11/26/IV

Attempt all questions in order.
Each question carries 10 marks.

1. Draw a labeled diagram of the vertical section of eye lid. Describe anatomy of levator palpebrae superioris. 4+6
2. Discuss formation and drainage of Aqueous humour. 10
3. Draw a labeled diagram of visual pathways and briefly write about the correlation between level of lesion and clinical presentation. 10
4. Discuss role of anti-metabolites and immunosuppressive drugs in Ophthalmology. 10
5. Describe anatomy of macula of retina. Support your answer with suitable diagrams. 10
6. Discuss anatomy and physiology of vitreous. Write a brief note on etiopathogenesis of posterior vitreous detachment. 4+4+2
7. What is Badal's principle? Discuss its relevance to focimetry? 5+5
8. Discuss various materials and designs of intraocular lenses. 5+5
9. Discuss National Programme for Control of Blindness. 10
10. How will you evaluate visual function in a patient with opaque media? 10