OPHTHALMOLOGY

PAPER- I

Time : 3 hours
Max. Marks : 100

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

POSSESSION/USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE EXAMINATION HALL
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
1. Describe basic principles and important techniques of lid reconstruction.  
3. Discuss toxoplasmosis.  
5. Describe staging, risk factors and outline management principles of retinopathy of prematurity.  
6. Describe clinical features and management of Traumatic Optic-neuropathy.  
7. What is Botulinum toxin? Discuss its use in the management of various ocular diseases.  
8. How do you classify giant retinal breaks? Describe its etiology, pre-operative evaluation and principles of management.  
9. Discuss in detail about congenital glaucoma (clinical features and management options).  
10. Write a note on "Kerato-prosthesis"?
Atmpt 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