



DNB  
Question  
Paper

2011

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December

## PAPER - I

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 edema (3+3+4)
10. Write about clinical presentation, investigations, histopathology and management of choroidal melanoma. (2+3+2+3)



## PAPER – II

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)

## PAPER – III

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+3)
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)

## PAPER – IV

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)