

2012

DNB Question papers

June



**DNB QUESTION PAPERS,  
JUNE, 2012**

**Paper -I**

1. Define range and amplitude of accommodation. Define manifest and latent hypermetropia. What are the different ways to uncover the latent hypermetropia?
2. Describe clinical features, laboratory diagnosis, prevention and management of acanthamoeba keratitis.
3. Describe clinical manifestations, pathology, differential diagnosis and management of squamous cell carcinoma.
4. Discuss clinical features, pathogenesis, differential diagnosis and management primary congenital glaucoma.
5. Discuss aetiopathogenesis, diagnosis and management of acute angle closure glaucoma.
6. Discuss ophthalmic manifestation of thyrotoxicosis.
7. Define scotoma. How do you differentiate between positive and negative scotoma. Discuss the approach to diagnosis in a patient presenting with left hemianopia.
8. Give differential diagnosis of painless progressive proptosis in a 35 year old man. Describe clinical features, histopathology and management of cavernous haemangioma.
9. Describe clinical features, etiology, investigations and various modalities of management in branch retinal vein occlusion.
10. Discuss clinical features, investigations, sequelae and management of intraocular metallic foreign body.

**Paper II**

1. Discuss the techniques for evaluation of visual acuity from birth to 3 years of age.
2. What is suppression in relation to strabismus? Discuss diagnosis and management of strategies of suppression.
3. Discuss indications, surgical procedure, complications and advances in endothelial keratoplasty.
4. Describe relevant nasal anatomy in relation to endonasal DCR. Give advantages and disadvantages of endonasal DCR versus external DCR.
5. Discuss clinical features, diagnosis, complications and management of uveitis associated with juvenile rheumatoid arthritis.
6. Classify scleritis. Discuss clinical manifestations, investigations and management of scleritis and its complications.
7. Describe etiology, clinical features, investigations and management of 6<sup>th</sup> nerve palsy.
8. What is femtosecond Laser? Discuss the use of femtosecond laser system in ophthalmology.
9. Discuss the investigations and management of a 55 year old diabetic patient presenting with neovascular glaucoma and cataract with visual acuity 3/60 and IOP of 46 mm of hg.
10. Discuss the workup of a patient planned for refractive surgery. Give relevance of each investigation. What are the absolute contradictions for laser refractive surgery?

**Paper III**

1. Describe the intraoperative and post-operative management of a unilateral congenital cataract in a 2 years child.
2. Discuss the differential diagnosis and management of shallow anterior chamber in first post-operative day after trabeculectomy.

3. Write in brief on ocular involvement in ocular Cysticercosis and briefly outline the management of ocular cysticercosis.
4. Describe clinical features, investigations and management of a case of medial wall fracture of orbit.
5. Describe with diagram the management of a 22 year old patient presenting with corneoscleral perforation after road traffic accident 2 hours back.
6. Draw a labelled diagram of cut section of lid in relation to involutinal ectropion. .Describe etiopathogenesis, clinical features, diagnosis and surgical management of involutinal ectropion.
7. Draw a labelled diagram of pupillary reflex pathway. Discuss approach to diagnosis of anisocoria.
8. Discuss role of silicone oil and expandable gases in the management of retinal detachment.
9. Discuss the immediate management of a 60 year old diabetic patient who has collapsed after injection of dye during FFA.
10. Discuss the aetiology, clinical feature, diagnosis and management of optic neuritis in a 40 years old female.

#### Part IV

1. Give labelled diagram of optics of 90D for retinal examination. Give the advantages and disadvantages of retinal examination with respect to use of 20D lens.
2. Describe the principles of contrast sensitivity (CS).Describe various method of measuring CS testing and its role in various ocular condition.
3. Describe the different modalities of measurement of corneal measurement and role of corneal thickness in glaucoma.
4. Discuss the principle of refractive and diffractive intraocular lenses. Give advantages and disadvantages of multifocal IOLS.
5. Enumerate the causes of childhood blindness and measure to prevent childhood blindness.
6. Enumerate various preservatives used in ophthalmic topical drugs. Discuss their ocular side-effects.
7. Enumerate principle, advantages and disadvantages for various modalities for anterior segment imaging.
8. Draw cross section labelled diagram of lacrimal sac showing relationship of orbicularis oculi muscle to sac. Discuss lacrimal pump.
9. Discuss the anatomy of macula. Enumerate relevant points of difference of retinal anatomy at macula and peripheral retina.
10. Draw cross section labelled diagram of cavernous sinus. Describe clinical features of cavernous sinus thrombosis.