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DNB Question Paper Jun 2015

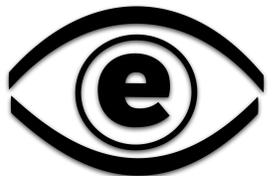
PAPER 1

PART A

1. Principles, composition, clinical applications and advantages of an ETDRS visual acuity chart. (2+2+3+3)
2. Causes, clinical features, special investigations and management in a case of Sjogren's syndrome. (2+2+3+3)
3. Principles, technique, advantages and possible sources of error in performing Goldmann's applanation tonometry. (2+2+3+3)
4. a) Anatomy and development of the macula.
b) Different zones of macula and their clinical importance.
c) Enumerate the macular function tests. [4+(2+2)+2]
5. a) Signs of optic nerve dysfunction.
b) Various investigations available to assess the optic nerve function. (4+6)

PART B

6. a) Difference between a Horopter and Panum's area.
b) Sensory and motor adaptations to strabismus. [4+(3+3)]
7. a) Clinical features and causative organisms of a case of bacterial corneal ulcer.
b) How will you investigate such a case? [(3+2)+5]
8. Causes, clinical features and management of ectopia lentis. (3+2+5)
9. Pathology, different diagnosis, adverse prognostic factors and non-surgical management of a case of choroidal melanoma. (2+2+2+4)
10. a) Measures of central tendency in a series of observations.
b) Measures of variability of individual observations. (5+5)



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PAPER 2



PART A

1. Pathogenesis, diagnosis, differential diagnosis and management of chronic blepharitis. (2+2+2+4)
2. Acquired causes and management of an anophthalmic socket. (4+6)
3. Clinical features, pathogenesis, differential diagnosis and management of a case of viral conjunctivitis. (2+2+2+4)
4. a) Clinical features and types of anterior and posterior scleritis.
b) How will you investigate a case of scleritis?
c) Management of necrotizing scleritis. (4+4+2)
5. a) Enumerate causes of unilateral profound painless loss of vision.
b) How will you manage such a case in a 65 year old male patient? (3+7)

PART B

6. Differential diagnosis and management of a 10 year old boy presenting with bilateral diminution of vision and swelling of the right knee. (5+5)
7. a) Investigations and assessment of a case of long standing diabetes with moderate non-proliferative diabetic retinopathy with clinically significant macular edema.
b) How will you manage such a case? (4+6)
8. Investigations, diagnosis and management of a 40 year old male patient presenting with unilateral central scotoma. (3+3+4)
9. Pathogenesis, causes, presentation and management of neovascular glaucoma. (2+2+3+3)
10. a) Define and classify esotropia.
b) Management of a 6 year old patient with esotropia. [(2+2)+6]





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PAPER 3



PART A

1. a) Clinical presentation of a case of orbital blowout fracture.
b) How will you investigate such a case?
c) Indications for surgery and the surgical principles. (3+2+5)
2. Causes and management of a case of acquired ptosis. (5+5)
3. Indications, advantages, disadvantages and long term results of Descemet's stripping endothelial Keratoplasty. (2+3+3+2)
4. a) Define ocular hypertension.
b) Investigations and management of a case of ocular hypertension. [2+(4+4)]
5. Types, indications, advantages and complications of glaucoma drainage devices. (2+2+3+3)

PART B

6. a) Indications, routes of administration, dosage schedule and complication of steroids in uveitis.
b) Role of alternative drugs used in uveitis. [(2+2+2)+2]
7. Presentation, systemic features, investigations and treatment of primary intraocular lymphoma. (2+2+3+3)
8. Clinical features, differential diagnosis and management of a case of Coat's disease. (2+4+4)
9. Indications, advantages and disadvantages of internal limiting membrane (ILM) peeling in vitreoretinal surgery. (2+4+4)
10. a) What is Duane's Retraction Syndrome?
b) Enumerate the types and describe the clinical features.
c) Management of a case of Duane's Retraction Syndrome with abnormal head posture. [1+(2+3)+4]





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PAPER 4



PART A

1. a) Principles, role and uses of ERG.
b) Multifocal ERG and its importance. [(2+3+3)+2]
2. a) Posterior segment complications in a case of blunt trauma to the eye.
b) How will you manage them? (5+5)
3. a) What are the main types of migraine?
b) Differential diagnosis of the visual phenomena that accompany an attack of migraine. (3+7)
4. a) What is an epiretinal membrane (ERM)?
b) Causes of ERM and their management. [2+(4+4)]
5. a) What is a dermoid cyst?
b) Systemic associations of dermoid cyst.
c) Differential diagnosis of epibulbar swellings. (2+4+4)

PART B

6. a) Differential diagnosis of heterochromia iridis.
b) Features, complications and management of a case of Fuch's Uveitis Syndrome. (2+8)
7. Diagnosis and management of a case of shallow anterior chamber on the first postoperative day following trabeculectomy. (5+5)
8. Indications, advantages, disadvantages and complications of a Toric multifocal intra ocular lens implantation following cataract extraction. (2+3+3+2)
9. a) What is pseudophakic bullous keratopathy?
b) Etiopathogenesis, clinical features and management of pseudophakic bullous keratopathy. (1+2+3+4)
10. a) Enumerate the various short term and intermediate term methods for corneal preservation.
b) What are their main constituents?
c) Advantages and disadvantages of these media. (4+3+3)

