

December 2017 DNB

PAPER I

Part A

1. a) Anatomy and development of lacrimal drainage system
b) Developmental anomalies of lacrimal drainage system.
2. a) Theories of colour vision
b) Methods of colour vision evaluation
3. Optics of Operating Microscope with neat labeled diagram.
4. a) Mechanism of Accommodation
b) Anomalies of Accommodation and their management
5. Anatomy and relations of the surgical spaces of the Orbit, and their clinical implications.

Part B

6. a) Etiology and classification of myopia
b) Clinical features of pathological myopia
7. Commonly used Preservatives for Ophthalmic Preparations, their advantages and disadvantages.
8. a) Metabolism of crystalline lens
b) Biochemical factors responsible for cataractogenesis
9. Define abnormal retinal correspondence. Explain its development and methods of diagnosis
10. a) Anatomy of eyelid and its blood supply
b) Anatomy of LPS and its clinical importance

PAPER II

Part A

1. Differential Diagnosis, Evaluation and management of Unilateral disc edema.
2. Causes, Evaluation and management of Lagophthalmos.
3. Clinical features, investigations and management of ocular Sarcoidosis.
4. a) Effect of blunt trauma on normal lens.
b) management of subluxated lens following trauma
5. Causes and management of Neovascular glaucoma.

Part B

6. Clinical features, differential diagnosis and management of Recurrent Herpes Simplex Keratitis.
7. A 65-year-old lady present with progressively increasing upper lid mass (15 X 10mm). Discuss differential diagnosis and management.
8. Causes, Investigations and management of acute III nerve palsy.
9. Clinical features, Differential diagnosis management of Ophthalmia neonatorum.
10. Etiopathogenesis, Clinical features investigations and management of CRAO.

PAPER III

Part A

1. Etiopathogenesis and Modalities of management of senile Entropion.
2. Etiopathogenesis, Clinical Features and management of unilateral ptosis with Marcus Gunn phenomenon.
3. Etiology, methods of evaluation and management of macular hole.
4. Etiopathogenesis and management of Exudative RD
5. Indications and technique of orbital exentration. Discuss the methods of rehabilitation.

Part B

6. Classify Exotropia in children and discuss its management
7. Indications and technique of surgical correction of myopia.
8. Indication, procedure and complications of Glaucoma drainage devices.
9. Indications, technique, disadvantages and advantages of DALK.
10. Discuss the role of silicon oil in VR surgery. Describe its complications and method of removal.

PAPER IV

Part A

1. Etiopathogenesis, Clinical features and management of thyroid orbitopathy.
2. Diagnosis and management of non-resolving DME.
3. Etiology, Evaluation classification and management of ROP.
4. Principle and uses of UBM. Its advantages and disadvantages over anterior segment OCT.
5. What are Phakic IOLs? Discuss their technique, indications and complications

Part B

6. a) Role of immunosuppressive drugs in ophthalmic conditions.
b) Enumerate the commonly used drugs with their dosage and complications
7. Define and classify Xerophthalmia. Give the guidelines of treatment and prophylaxis.
8. Etiology, Clinical features, diagnosis and DD of Horner syndrome. 4
9. Causes and ocular manifestations of chiasmal lesions
10. Pathogenesis, clinical features, diagnosis and management of retinopathy in pregnancy induced hypertension.