DNB Question Paper DECEMBER 2018

PAPFR I

PART A

- 1. a) Electrophysiological basis of Electroretinography (ERG) and Electro-oculography (EOG). 5+5
 - b) Clinical applications of ERG and EOG
- 2. a) Anatomy and relations of the medial and lateral orbital wall.
 - b) Indications of orbital decompression.
 - c) Common causes of severe bleed during external dacrocystorhinorhaphy (DCR). 5+2+3
- 3. a) Types of afferent pupillary defect
 - b) Causes of light-near dissociation
 - c) Pharmacological tests for Horner syndrome 4+3+3
- 4. a) Ultra-structure of the trabecular meshwork
 - b) Mechanisms of aqueous formation
 - c) Physiology of aqueous humour drainage through trabecular meshwork 4+3+3
- 5. a) Neural pathway for tear secretion by lacrimal gland
 - b) Test for evaluation of tear film
 - c) Etiopathogenesis of Sjogren syndrome 3+4+3

PART B

- 6. a) Chemical fixatives for histopathological examination of ophthalmic specimens.
 - b) Application of routine and special stains in histopathology 4+6
- 7. Discuss various preoperative and perioperative aseptic approaches for prevention of intraocular infection. 10
- 8. a) Define and enumerate vital dyes used in Ophthalmology
- b) Clinical applications of vital dyes in diagnosis and treatment of ophthalmic diseases. (1+2) +7

- 9. a) Sensory adaptation to strabismus
 - b) What is fusional vergence?
 - c) Tests to measure visual acuity in preverbal children. 3+3+4
- 10. a) Essential components of modular ophthalmic operating room.
 - b) Disinfection and sterilization of operating room. 5+5

PAPER 2

PART A

- 1. Clinical features, evaluation and management of Meibomian gland disease. 3+3+4
- 2. a) Etiopathogenesis and clinical features of cicatricial conjunctivitis.
 - b) Complications and management of cicatricial conjunctivitis. 5+5
- 3. A 64-year-old individual presents with sudden profound unilateral loss of vision. Discuss etiology, evaluation and management. 3+2+5
- 4. A 14-year-old boy is brought by his parents with occasional deviation of the eyes? Discuss differential diagnosis, evaluation and management of such a case. 2+4+4
- 5. Clinical features, complications and management of a case of Herpes Zoster Ophthalmicus. 4+3+3

PART B

- 6. Clinical features, causes, evaluation and management of a case endophthalmitis, six weeks after cataract surgery. 2+2+3+3
- 7. a) Pathogenesis and differential diagnosis pigment dispersion syndrome.
 - b) Evaluation and management of pigment dispersion syndrome5+5
- 8. a) Causes of heterochromia iridis
 - b) Clinical features and management of Fuch's uveitis syndrome. 2+4+4
- 9. Clinical features, Investigations and treatment of a case of primary intraocular lymphoma. 2+3+5
- 10. Clinical features, investigations, treatment and prognosis in a case of CMV retinitis. 2+2+4+2

PAPER-3

PART A

- 1. Causes, evaluation and management of eyelid retraction 3+5+4
- 2. How will you evaluate and manage an anophthalmic socket in a 3-year-old child? 5+5
- 3. a) Evaluation of pre-existing astigmatism in a patient with cataract
- b) Various surgical methods to manage preoperative astigmatism during cataract surgery? 4+6
- 4. a) Etiopathogenesis and clinical features of necrotizing scleritis
 - b) Evaluation and management of necrotizing scleritis 5+5
- 5. What are the predisposing factors, per-operative signs and management of a case of suprachoroidal hemorrhage during an intraocular surgery? 3+3+4

PART B

- 6. Evaluation and management during failure of filtration surgery in glaucoma. What are the indications of antimetabolite in this surgery? (4+4)+2
- 7. a) A 45-year-old patient presents with sudden onset vertical diplopia What is the differential diagnosis?
 - b) Evaluation and management of acute onset vertical diplopia 3+(3+4)
- 8. a) Indications and evaluation of a case for lamellar keratoplasty
 - b) What are the causes of failure of a DSAEK procedure?
 - c) How does DSAEK differ from DMEK surgically? 5+2+3
- 9. A 45-year-old patient presents with central scotoma. Discuss differential diagnosis, evaluation and management of such a case. 2+4+4
- 10. a) Indications and procedure for use of various tamponading agents in retinal surgery.
 - b) Advantages and disadvantages of tamponading agents used in retinal surgery. 5+5

PAPFR-IV

PART A

1. A 50-year-old female presents with abaxial proptosis.

Discuss differential diagnosis evaluation and management 3+3+4

2. Clinical feature, evaluation and management of ocular cysticercosis. 2+3+5

- 3. Evaluation and management of a case presenting with Iridodialysis 4+6
- 4. A 60-year-old patient presents with noduloulcerative lesion involving central lower lid. Discuss differential diagnosis, evaluation and management of such a case. 2+3+5
- 5. How will you suspect, investigate and treat a case of preclinical keratoconus? 3+3+4

PART B

- 6.Indications, procedure, advantages and disadvantages of chemo-reduction for retinoblastoma 2+3+5
- 7. Evaluation and management of traumatic sub-retinal hemorrhage over the macula. 4+6
- 8. Evaluation and management of post uveitic cataract. 4+6
- 9. A patient present with central unilateral metamorphopsia. Discuss differential diagnosis evaluation and management of such a case. 3+3+4
- 10. a) Categories of low vision and classification low vision aids (LVA).
 - b) Evaluation of a patient with low vision. (2+3) +5