

# National Board of Examinations

**Question Paper Name :** Diploma Ophthalmology Paper1  
**Subject Name :** Diploma Ophthalmology Paper1  
**Duration :** 180  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0

**Question Number : 1 Question Id : 32718736985 Consider As Subjective : Yes**

**Please write your answers in the answer booklet within the allotted pages as follows:-**

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. a) Describe the anatomy and blood supply of retina with the help of labelled diagrams. [5]
- b) Describe the anatomy and physiology of photoreceptors of eye with labelled diagram. [5]

**Question Number : 2 Question Id : 32718736986 Consider As Subjective : Yes**

- a) Draw histological diagram of cornea. [4]
- b) Describe each layer of cornea in detail. [6]

**Question Number : 3 Question Id : 32718736987 Consider As Subjective : Yes**

- a) Enumerate the various methods of measuring intraocular pressure. [3]
- b) What is the principle on which Goldmann Applanation tonometry is based? [2]
- c) Describe Goldmann applanation tonometry procedure and enumerate its fallacies. [5]

**Question Number : 4 Question Id : 32718736988 Consider As Subjective : Yes**

- a) Describe the origin and pathway of 3<sup>rd</sup> cranial nerve with the help of labelled diagram. [4]
- b) What are the clinical features, differential diagnosis and management of 3<sup>rd</sup> cranial nerve palsy? [6]

**Question Number : 5 Question Id : 32718736989 Consider As Subjective : Yes**

- a) Describe clinical relevance of limbal stem cells and enumerate few conditions of limbal cell deficiency. [3]
- b) Describe the clinical features and management of limbal stem cell deficiency including surgical intervention. [7]

**Question Number : 6 Question Id : 32718736990 Consider As Subjective : Yes**

- a) Optics of gonioscopy. [2]
- b) Indications of gonioscopy. [1]
- c) Technique of manipulative gonioscopy and of indentation gonioscopy. [2]
- d) Slit lamp examination techniques. [5]

**Question Number : 7 Question Id : 32718736991 Consider As Subjective : Yes**

- a) Pharmacokinetics and mechanism of action of anti-glaucoma drugs. [5]
- b) Enumerate the various methods of eyelid reconstruction. Explain any one in detail. [2.5+2.5]

**Question Number : 8 Question Id : 32718736992 Consider As Subjective : Yes**

- a) Describe the etiopathogenesis and types of amblyopia. [4]
- b) Describe the various tests for stereopsis along with their principles. [6]

**Question Number : 9 Question Id : 32718736993 Consider As Subjective : Yes**

- a) Which bacteria cause keratitis? [2]
- b) Describe in detail diagnosis and treatment of central bacterial keratitis. [5]
- c) What are the first line and second line fortified antibiotics to be used in keratitis. [3]

**Question Number : 10 Question Id : 32718736994 Consider As Subjective : Yes**

- a) Etiology and classification of hypermetropia. [3]
- b) Clinical features and management of hypermetropia. [5]
- c) Discuss the guidelines for prescription of hypermetropic glasses in children up to 5 years. [2]