

# National Board of Examinations

**Question Paper Name :** DNB Ophthalmology Paper4

**Is this Group for Examiner? :** No

**Enable Mark as Answered Mark for Review and Clear Response :** Yes

## **Question Number : 1 Question Type : SUBJECTIVE**

a) What is the clinical classification of mucormycosis? Describe the presentation of a case of rhino-orbital mucormycosis. [2+2]

b) Indications, types, advantages and disadvantages of various types of exenteration. [2+2+1+1]

## **Question Number : 2 Question Type : SUBJECTIVE**

Describe the recent trend in the diagnostic modalities and their implications in the management of macular edema. [5+5]

## **Question Number : 3 Question Type : SUBJECTIVE**

Write the classification of amblyopia. Mention the available treatment for the management of amblyopia. What are the newer trends in the management of amblyopia? Define its role in the blindness in our country. [2+3+3+2]

## **Question Number : 4 Question Type : SUBJECTIVE**

a) What is the classification of diabetic retinopathy? [2]

b) Mention about the utility of OCT and FFA in the management of diabetic retinopathy. [2+2]

c) What is the role of HbA1c, blood pressure and blood cholesterol in prevention and management of diabetic retinopathy? [4]

**Question Number : 5 Question Type : SUBJECTIVE**

What is the patho-physiology of glaucoma? Describe the role of neuro-protectors in a case of glaucoma. What is the role of rho-kinase inhibitors in the management of glaucoma? [3+4+3]

**Question Number : 6 Question Type : SUBJECTIVE**

- a) What is the relevance and various methods of evaluation of visual acuity in a pre-verbal child? [6]
- b) The concept of critical period of visual development. [4]

**Question Number : 7 Question Type : SUBJECTIVE**

- a) What are the sources of aerosol generation in the cataract surgery? [3]
- b) Mention the methods to decrease the sources of aerosol generation during surgery. [3]
- c) What are the precautions to be taken by an ophthalmic surgeon during Covid era while operating under microscope? [4]

**Question Number : 8 Question Type : SUBJECTIVE**

- a) Draw a diagram showing the visual field defects in craniopharyngioma and occipital lobe lesion. [5]
- b) Discuss the management of a case of pulmonary tuberculosis who developed sudden decrease of vision. [5]

**Question Number : 9 Question Type : SUBJECTIVE**

- a) Mention the types of anterior capsulotomy in cataract surgery. [2]
- b) Compare the advantages and disadvantages of capsulotomy and capsulorhexis. [4]
- c) Discuss the uses, advantages and disadvantages of zepto in cataract surgery. [4]

**Question Number : 10 Question Type : SUBJECTIVE**

Recent advances in surgical and non surgical management of presbyopia, and their complications.[4+4+2]