

**M.S. DEGREE EXAMINATION**

**BRANCH III – OPHTHALMOLOGY  
OPHTHALMOLOGY INCLUDING INVESTIGATIVE  
OPHTHALMOLOGY, SURGERY AND RECENT ADVANCES**

*Q.P. Code : 222226*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Describe in detail the procedure of phaco emulsification, its indication, contra indication and disadvantages.
2. Discuss the types, indication and procedure of Keratoplasty. Mention briefly about donor cornea preservation.

**II. Write notes on:**

**(10X7=70)**

1. Management of Giant retinal tear.
2. Indication, principles and application of optical coherence tomography.
3. Indications of pars plana Vitrectomy and use of Vitreous substitutes.
4. Recent classification of retinoblastoma.
5. Indication of stem cell transplantation.
6. Indication and uses of UBM (Ultrasound Bio Microscopy)
7. Stages of Retinopathy of prematurity and management.
8. Management of buphthalmos.
9. Indications and use of lasers in glaucoma.
10. Etiology, clinical features and management of angle recession glaucoma.

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