

DIPLOMA IN OPHTHALMOLOGY (DO) EXAMINATION

**APPLIED BASIC SCIENCES IN RELATION TO OPHTHALMOLOGY
INCLUDING MICROBIOLOGY, ANATOMY, PHYSIOLOGY AND
PATHOLOGY OF THE EYE**

Q.P. Code : 353108

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss in detail the anatomy of the third cranial nerve. Add a note on localization of the level of lesion.
2. Discuss the formation and circulation of aqueous humour. Add a note on maintenance of intraocular pressure.

II. Write notes on:

(10X7=70)

1. The components of Tear film and their importance in eye. Add a note on the management of Dry eye.
2. Discuss about Autosomal recessive inheritance and enumerate ophthalmic problems with such inheritance.
3. Enumerate Anti-Fungal Drugs, their dosage and side effects.
4. Discuss the Theories of Accommodation.
5. Histopathology of Malignant Melanoma and its importance in prognosis.
6. Discuss about Amsler's Grid. Where is it used?
7. Discuss the pathophysiology of Iridocyclitis.
8. Write about Electroretinogram and how it is useful.
9. Anatomy of Levator Palpebrae Superioris, its nerve supply and functions.
10. Discuss about Gonococcus. Add a note on the ocular lesions caused by it.
