

**DIPLOMA IN OPTOMETRY TECHNOLOGY  
FIRST YEAR**

**PAPER I – OCULAR ANATOMY, OCULAR PHYSIOLOGY, OCULAR  
PHARMACOLOGY, OCULAR MICROBIOLOGY**

*Q.P. Code: 841531*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Draw a diagram of the Eye and label all the parts. Discuss in detail about the lens.
2. Describe the anatomy of the lacrimal apparatus with a diagram.
3. Methods of sterilization.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Extraocular muscles.
2. Blood supply of the eye.
3. Define Xerophthalmia. What are the causes of xerophthalmia and how will you correct it?
4. Classify quinolones, their mechanism of action, uses and adverse effects.
5. Drug delivery devices.
6. Tonometry.
7. Electroretinogram and its uses.
8. Choroid.
9. Bacterial conjunctivitis.
10. Anophthalmia.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Optic vesicle.
2. Diagram of papillary light reflex.
3. Name two cycloplegics.
4. Nasolacrimal duct.
5. What is the limbus?
6. Sty.
7. Macula lutea.
8. Ophthalmoscopy.
9. Steroids in ocular medicine.
10. Schirmer's Test.

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