

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. Discuss in detail about visual pathway with suitable diagrams and flowcharts. Add a note on applied anatomy.
2. Dynamics of aqueous humor secretion, circulation and drainage.
3. Describe the gram staining methods for identification of bacteria.

II. Write notes on:

(10 x 5 = 50)

1. Acid fast bacilli.
2. Layers of retina.
3. Indications and contraindications of topical steroids.
4. Enumerate drugs used in glaucoma, their mechanism of action and principle of using them.
5. Anatomy of choroid.
6. Grades of binocular vision.
7. Detail on physical methods of Sterilization.
8. Corneal anatomy.
9. Autoclave.
10. Write any five biochemical tests to identify bacteria.

III. Short answers on:

(10 x 2 = 20)

1. Sty. (Stye)
2. Cycloplegics.
3. Acid fast staining.
4. Sphincter papillae.
5. Chemical sterilization.
6. Accommodation.
7. What is limbus?
8. Tests for visual acuity.
9. Name the extra ocular muscles.
10. Functions of tears.