

DIPLOMA IN OPTOMETRY TECHNOLOGY

FIRST YEAR

PAPER II – MICROBIOLOGY, PATHOLOGY AND PHARMACOLOGY

Q.P. Code : 841502

Time: Three Hours

Maximum: 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. What are the types of glaucoma? Mention antiglaucoma drugs and their side effects.
2. Describe the different types of tumours affecting the eye.
3. Write in detail about Herpes simplex virus and cytomegalo virus.

II. Write notes on:

(10 x 5 = 50)

1. Staining techniques used in ocular microbiology.
2. Disinfectants used in ophthalmology.
3. Antiviral drugs used in ophthalmology.
4. What is the treatment for Iridocyclitis?
5. Tear substitutes.
6. Side effects of corticosteroids.
7. Fluconazole.
8. Different culture medias used in ophthalmology.
9. Pathology of corneal ulcer.
10. Define sterilization.

III. Short Answers on:

(10 x 2 = 20)

1. Miotics.
2. Antibiotics.
3. Uses of formalin.
4. Gram negative bacilli.
5. KOH mount.
6. Antifungal topical eye drops.
7. Common causes of blindness.
8. Short notes on myopia.
9. What are the important precautions to be taken in the treatment of an injured eye?
10. Explain the steps in fixation of a tissue for histopathological examination.
