

[LF 0212]

AUGUST 2014

Sub. Code: 1502

**DIPLOMA IN OPTOMETRY TECHNOLOGY
FIRST YEAR
PAPER II – MICROBIOLOGY, PATHOLOGY & PHARMACOLOGY**

Q.P. Code : 841502

Time: Three hours

Maximum: 100 marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Write the pathological changes and management of chemical injury to eye.
2. a) Write the methods of transmission of ocular diseases.
b) How will you prevent it?
3. What are the types of glaucoma? Give the drugs used in the treatment of it.

II. Write notes on:

(10 x 5 = 50)

1. Explain synachae.
2. What are the etiology and pathological picture of keratitis?
3. What are miotics? Explain the uses and adverse effects.
4. Define pathogen. Write about the organisms producing eye diseases.
5. Morphology of fungus with its culture media.
6. Explain acquired immunity.
7. Uses of mydriatic eye drops.
8. Indication and contra indication of steroid eye drop.
9. Drugs used after surgery in the eye.
10. What are the uses of gentamycin?

III. Short Answers on:

(10 x 2 = 20)

1. What are the systemic diseases that affect eye?
2. Two drugs used in dry eye.
3. Define disinfectants.
4. Write two anti-fungal eye drops.
5. Write the local anaesthetic used in eye.
6. Indications for antihistaminic eye drop.
7. Drugs used for the diagnosis of the eye diseases.
8. Two NSAID eye drops.
9. Four uses of penicillin.
10. Factors affecting penetration of eye drops.
