

B.OPTOM
(New Syllabus 2015-2016)

SECOND YEAR

PAPER IV – PATHOLOGY, MICROBIOLOGY AND PHARMACOLOGY

Q.P. Code: 802714

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Classify hypersensitivity. Write in detail about Type-I hypersensitivity.
2. What are the types of culture media? How do you prepare culture media and what are its uses?
3. What are oral hypoglycemic drugs? Classify them. Write a note on insulin.

II. Write notes on:

(8 x 5 = 40)

1. Corticosteroids.
2. Acanthamoeba infections of the eye.
3. Acute inflammation of conjunctiva.
4. Distinguish between antiseptics and disinfectants.
5. Ophthalmic wound healing.
6. Chronic lesions of eye.
7. Discuss about penicillin.
8. Bacterial growth curve.

III. Short answers on:

(10 x 3 = 30)

1. Enumerate enveloped viruses.
2. Two examples of RNA viruses.
3. Define Leukaemia.
4. Plasmacokinetics.
5. Mention the uses of adrenaline.
6. Negri bodies.
7. Eye lesions of leprosy.
8. Mention the drugs used in glaucoma.
9. Keratitis.
10. Mention the uses of mannitol.