



[AHS 0321]

MARCH 2021

Sub. Code: 2744

(AUGUST 2020 EXAM SESSION)

B.OPTOM

SECOND YEAR (Regulation 2018-2019)

PAPER IV – PATHOLOGY, MICROBIOLOGY AND PHARMACOLOGY

Q.P. Code : 802744

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe the structure, classes and functions of Immunoglobulins.
2. Discuss the etiology and pathogenesis of Endophthalmitis.
3. Classify Atropine substitutes. Write the pharmacology, action and uses of atropine.

II. Write notes on:

(8 x 5 = 40)

1. Papilloedema and its etiopathogenesis.
2. Choroidal melanoma.
3. Ocular features of leprosy.
4. Staining techniques in bacteriology.
5. Flagella.
6. Catalase test.
7. Hypovitaminosis A.
8. H2 receptor antagonist.

III. Short answers on:

(10 x 3 = 30)

1. Name two appendages of Bacteria.
2. Name two nematodes that can affect the eye.
3. Name two methods of Dry heat sterilization.
4. Name two enriched media.
5. Define pancytopenia.
6. Types of Shock.
7. Give two examples for granulomatous inflammation.
8. Name four immunosuppressants.
9. Name the agents used in ocular diagnosis.
10. List out the toxicity of aminoglycosides.

