

**BPT DEGREE EXAMINATION
SECOND YEAR
PAPER V – MICROBIOLOGY AND PATHOLOGY**

Q.P. Code : 746258

Time: Three hours

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book

**SECTION – A
(MICROBIOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Draw diagram of HIV and label its parts. Write in detail about its morphology, mode of transmission, laboratory diagnosis and prophylaxis of HIV.

II. Write notes on: (4 x 5 = 20)

1. Hot air oven.
2. Acquired immunity.
3. Prophylaxis of Tetanus.
4. Epstein - Barr virus.

III. Short answers on: (5 x 2 = 10)

1. Ideal properties for a chemical disinfectant.
2. Immunoglobulin G.
3. Uses of ELISA.
4. VDRL test.
5. List four organisms causing urinary tract infection.

**SECTION – B
(PATHOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. a) Wound healing by primary and secondary intention.
b) Factors influencing repair.
c) Complications of wound healing.

II. Write notes on: (4 x 5 = 20)

1. Volkmann's ischaemic contracture.
2. Definition and classification of edema.
3. Etiology and pathogenesis of Bronchiectasis.
4. Tenosynovitis.

III. Short answers on: (5 x 2 = 10)

1. Define neoplasm.
2. Causative organism and classification of Leprosy.
3. Cardinal signs of acute inflammation.
4. Name the stages of inflammation in Lobar Pneumonia.
5. Define infarction and name the types.