

[LH 6258]

AUGUST 2015

Sub. Code: 6258

**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. What is Infection? Name the types of infection. Name the sources, mode of transmission and factors predisposing to microbial pathogenicity.

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

1. Sterilization and its types.
2. Delayed type hypersensitivity.
3. Antigenic structure of Streptococcus pyogenes.
4. Lab Diagnosis of Hepatitis B.

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

1. Four differences between Gram +ve cell wall and gram –ve cell wall.
2. DPT Vaccine.
3. List four organisms causing Hospital Acquired Infection.
4. Draw the diagram and label parts of HIV.
5. Name four atypical mycobacteria.

**SECTION – B
(PATHOLOGY)**

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

1. Define Emphysema. Enumerate the diseases producing central Air flow Obstruction. Describe in detail the pathogenesis of types of Emphysema.

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

1. Virchow's Triad.
2. Differences between benign and malignant tumours.
3. Apoptosis.
4. Chronic bronchitis.

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

1. Lobar pneumonia.
2. Cerebral edema.
3. Osteo arthritis.
4. Gout.
5. Thrombosis.
