

[LK 6258]

FEBRUARY 2017

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. Write in detail about morphology, cultural characteristics, antigenicity, pathogenesis and laboratory diagnosis of *Salmonella typhi*.

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

1. Autoclave.
2. ELISA.
3. Laboratory diagnosis of *Mycobacterium tuberculosis*.
4. Universal precautions.

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

1. Mode of transmission for HIV.
2. Oral candidiasis.
3. Bacterial growth curve-draw and label.
4. List four DNA viruses.
5. MMR vaccine.

**SECTION – B  
(PATHOLOGY)**

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

1. a) Chemical mediators of acute inflammation.  
b) Add a note on sequelae of acute inflammation.

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

1. Characteristic features of reversible and irreversible cell injury.
2. Myasthenia gravis.
3. Osteoarthritis.
4. Secondary Tuberculosis.

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

1. How tissues of the body are grouped based on their proliferative activity?
2. Complications of Rheumatic fever.
3. Differences between necrosis and apoptosis.
4. Complications of wound healing.
5. Define embolism.

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