

BPT DEGREE EXAMINATION
(Regulations for the candidates admitted from 2017-2018 onwards)
SECOND YEAR
PAPER V – MICROBIOLOGY AND PATHOLOGY

Q.P. Code : 746280

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 15 = 15)

1. Write about the morphology, Pathogenesis and lab diagnosis of *Corynebacterium diphtheria*.

II. Write notes on: (5 x 5 = 25)

1. Write about Gram staining.
2. Write a note on Nosocomial Infections.
3. Describe Urinary tract infection and causative organisms involved.
4. Pathogenesis of Pulmonary Tuberculosis.
5. Lab diagnosis of *Vibrio cholera*.

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

1. What is a cold sterilization? Give example.
2. Mention two autoimmune diseases.
3. Name two transport media for *Vibrio cholera*.
4. What is window period in HIV infection?
5. Name the various disinfectants used in asepsis.

SECTION – B
(PATHOLOGY)

I. Elaborate on: (1 x 15 = 15)

1. Thrombosis – causes, pathophysiology and fate of the thrombus.

II. Write notes on: (5 x 5 = 25)

1. Complications of wound healing.
2. Bronchiectasis.
3. Differences between benign and malignant tumours.
4. Muscular dystrophies.
5. Necrosis – mechanisms and types.

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

1. Osteoarthritis.
2. Embolism.
3. Chemical mediators of inflammation.
4. Abscess.
5. Clinical features of Parkinsonism.
