

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 Ultrastructure of bacteria in detail with a neat labelled sketch.

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

1. Write a note on Dry heat sterilization.
2. Explain Acid fast staining technique.
3. Describe the structure of bacterial endospore.
4. Pathogenesis of Enteric fever.
5. Write a note on Herpes virus infection.

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

1. List four bacteria causing Diarrhoea.
2. WIDAL Test.
3. Write the Koch's postulates.
4. Define Iatrogenic infection with examples.
5. Give examples for the reaction of Type III hypersensitivity.

SECTION – B
(PATHOLOGY)

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

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

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

1. Rheumatoid arthritis.
2. Bronchial asthma.
3. Features of malignant tumours.
4. Atrophy.
5. Cerebrovascular accidents.

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

1. Osteomalacia.
2. Virchow's triad.
3. Deep vein thrombosis.
4. Complications of Rheumatic heart fever.
5. Differences between necrosis and apoptosis.