

BOT DEGREE EXAMINATION
(Regulations for the candidates admitted from 2013-2014 onwards)
SECOND YEAR
PAPER I – PATHOLOGY & MICROBIOLOGY
Q.P. Code: 786155

Time: Three hours

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book

SECTION A
(PATHOLOGY)

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

1. Define Inflammation. What are the causes of Chronic Inflammation? Describe in detail about the pathogenesis and morphology of Granulomatous inflammation.

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

1. Tuberculous granuloma.
2. Define Shock. What are the types of shock?
3. Cellular changes in Neoplasia.
4. Peripheral smear in Megaloblastic Anaemia.

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

1. Coagulation Necrosis.
2. Cardiac edema.
3. Pneumonia – causes.
4. Embolism – types.
5. Volkman's Ischaemia.

SECTION B
(MICROBIOLOGY)

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

1. Define Hospital acquired infection, and write about transmission, lab diagnosis and prevention.

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

1. Draw a diagram of bacterial cell.
2. Autoclave.
3. Active immunity.
4. Hepatitis B Virus.

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

1. List the two types of Polio vaccine.
2. Name the modes of transmission of infection.
3. AIDS.
4. Name the organism causing urinary tract infection.
5. Name four sexually transmitted diseases.