

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 shock. Write about the various types, pathophysiology and stages of shock.

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

1. Volkmann's Ischemia.
2. Occupational Lung diseases (Pneumoconiosis).
3. Duchenne muscular dystrophy.
4. Factors that influence Wound Healing.

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

1. Cardinal Signs of inflammation.
2. Salient features of Vitamin D deficiency.
3. List the clinical manifestations of Ischemic Heart Disease (Coronary Artery Disease).
4. Poliomyelitis.
5. Chemical carcinogens.

SECTION B
(MICROBIOLOGY)

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

1. Describe the Genotypic variations in bacteria with special reference to drug resistance.

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

1. Antibodies.
2. Monoclonal antibody.
3. Koch's postulates and Koch's Phenomenon.
4. Antibiotic susceptibility test.

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

1. Anaphylaxis reaction.
2. Opportunistic infection.
3. Name two fungi causing respiratory Infections.
4. Factors affecting Immunity.
5. Name the serological test for syphilis.