

**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. What are the types of shock? Describe in detail about the etio-pathogenesis of shock.

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

1. Factors influencing wound healing.
2. Types of Necrosis.
3. Septic Arthritis.
4. Tuberculoid leprosy.

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

1. Define Anaemia and mention four symptoms.
2. Mention four common tumours.
3. Emphysema-types.
4. Define Oedema. Types of Oedema.
5. Volkman's ischaemia.

**SECTION B**  
**(MICROBIOLOGY)**

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

1. Draw a diagram of bacterial cell and label its parts. Classify the bacteria according to its shape and give examples for each. Write in detail about bacterial capsule and cell wall.

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

1. Robert Koch.
2. Define hypersensitivity and explain type I hypersensitivity.
3. Hot air oven.
4. Universal precautions.

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

1. Name any four organism causing Urinary Tract Infection.
2. Define immunity.
3. Four methods of transmission of HIV infection.
4. Name four sexually transmitted diseases.
5. Food poisoning.

\*\*\*\*\*