

(Old Scheme)

Reg. No.:.....

**Second Year BPT Degree Supplementary Examinations March 2018**

**MICROBIOLOGY AND PATHOLOGY  
(2010 Scheme)**

**Time: 3 hrs**

**Max marks: 100**

- Answer all questions
- Write section A and section B in separate answer books (32 Pages).  
Do not mix up questions from section A and section B.

**Q P Code: 205014**

**Section A – Microbiology**

**Marks: 50**

**Essay:**

**(10)**

1. Define sterilization and disinfection. List five methods of sterilization by heat.  
Describe the working of an autoclave and its application in a hospital.

**Short notes:**

**(5x5=25)**

2. Describe the morphology of a bacterial cell with diagram
3. Universal precautions.
4. Filariasis
5. Staphylococcal infections – laboratory diagnosis
6. Hepatitis B and its prevention

**Answer briefly:**

**(5x3=15)**

7. Candida albicans
8. Vaccination to prevent poliomyelitis
9. Urinary tract infections
10. THREE waterborne diseases
11. THREE bacteria causing wound infections

**Q P Code: 206014**

**Section B – Pathology**

**Marks: 50**

**Essay:**

**(10)**

1. Describe wound healing by primary intention. Mention two factors which influence wound healing.

**Short notes:**

**(5x5=25)**

2. Pathologic calcification.
3. Describe the pathogenesis of edema.
4. Spread of cancer.
5. Nephrotic syndrome.
6. Hereditary spherocytosis

**Answer briefly:**

**(5x3=15)**

7. Stages of lobar pneumonia
8. Types of aneurysms
9. What is cirrhosis liver
10. Skeletal features of rickets
11. Hashimoto thyroiditis

\*\*\*\*\*