

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
