

Second Year BPT Degree Supplementary Examinations - April 2014

**MICROBIOLOGY AND PATHOLOGY**

**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 and classify sterilization. Name the moist heat methods of sterilization. Describe the autoclave in detail.

**Short notes:**

**(5x5=25)**

2. Laboratory diagnosis of urinary tract infections.
3. Nosocomial infection.
4. Explain Hypersensitivity reactions and types
5. Prophylaxis against tetanus.
6. Laboratory diagnosis of hepatitis B virus infection.

**Answer briefly:**

**(5x3=15)**

7. Bacterial capsule.
8. Name the opportunistic infections seen in HIV.
9. Name any six disinfectants used in a hospital.
10. Name the dermatophytes and infections caused by them.
11. Oral polio vaccine.

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**Section B – Pathology**

**Marks: 50**

**Essay:**

**(10)**

1. Classify bone tumors. Explain the clinical and morphological features of osteosarcoma.

**Short notes:**

**(5x5=25)**

2. Graves disease.
3. Basal cell carcinoma.
4. Osteoporosis.
5. Pathological calcification.
6. Sickle cell anemia.

**Answer briefly:**

**(5x3=15)**

7. Marasmus
8. List the population at risk of developing AIDS.
9. Types of Gangrene with examples
10. Explain Osteomyelitis
11. Enumerate the transfusion transmitted infections.