

**(New Scheme)**

**Reg. No.:.....**

Second Year BPT Degree Supplementary Examinations - April 2016

**MICROBIOLOGY AND PATHOLOGY**

**(2012 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: 214014**

**Section A – Microbiology**

**Marks: 50**

**Essay:**

**(14)**

1. Describe the modes of transmission, laboratory diagnosis and prophylaxis of hepatitis B virus.

**Short notes:**

**(2x8=16)**

2. Describe in detail the life cycle and laboratory diagnosis of plasmodium falciparum infection
3. Describe in detail the pathogenesis, laboratory diagnosis and prophylaxis of pulmonary tuberculosis

**Answer briefly:**

**(5x4=20)**

4. DPT vaccine
5. Cryptococcus neoformans
6. ELISA
7. Bacterial growth curve
8. Opportunistic fungal infections

**Q P Code: 215014**

**Section B – Pathology**

**Marks: 50**

**Essay:**

**(14)**

1. Define necrosis. Describe in detail, the different types of necrosis with examples

**Short notes:**

**(2x8=16)**

2. Describe the pathology of granulomatous inflammation
3. Pathogenesis of septic shock

**Answer briefly:**

**(5x4=20)**

4. Gout
5. Lepromatous leprosy.
6. Neuroblastoma
7. Sickle cell anemia
8. Alzheimer's disease

\*\*\*\*\*