

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