

**Second Year BPT Degree Supplementary Examinations  
September 2019**

**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 in detail the sources of infections to human beings. What are the various modes of spread of infection.

**Short notes:**

**(2x8=16)**

2. Atypical mycobacteria
3. Laboratory diagnosis of HIV infection

**Answer briefly:**

**(5x4=20)**

4. Bacterial cell wall
5. Opportunistic mycosis
6. Mycetoma
7. Passive immunity
8. Toxic shock syndrome

**Q P Code: 215014**

**Section B – Pathology**

**Marks: 50**

**Essay:**

**(14)**

1. What are the causative agents and mode of transmission of tuberculosis. Write about its pathogenesis and laboratory diagnosis

**Short notes:**

**(2x8=16)**

2. Define necrosis. Name the different types of necrosis with examples.
3. Define anaemia. Discuss etiopathogenesis with blood and bone marrow picture in iron deficiency anaemia.

**Answer briefly:**

**(5x4=20)**

4. Thromboembolism
5. Tetralogy of Fallot
6. Tumour spread
7. Meningitis
8. Osteoarthritis

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