



**Second Year BPT Degree Examinations - September 2014
(2012 Scheme)**

MICROBIOLOGY AND PATHOLOGY

Time: 3 hrs**Max marks: 140**

- 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. Define sterilization. List the various physical methods of sterilization. Explain use of autoclave in detail

Short notes:**(2x8=16)**

2. Enumerate the causes of pyrexia of unknown origin. Describe in detail pathogenesis and laboratory diagnosis of typhoid fever
3. Describe in detail pathogenesis and laboratory diagnosis of syphilis

Answer briefly:**(5x4=20)**

4. Dermatophytes
5. Life cycle of malarial parasite
6. Polio vaccines
7. ELISA
8. Source of infection

Q P Code: 215014**Section B – Pathology****Marks: 50****Essay:****(14)**

1. Define thrombosis. Discuss the pathogenesis and fate of thrombosis

Short notes:**(2x8=16)**

2. Clinical features and laboratory diagnosis of iron deficiency anemia
3. Mention the types and morphological changes in shock

Answer briefly:**(5x4=20)**

4. Gross and microscopy of ulcerative colitis
5. Gumma
6. Components of Fallots tetralogy
7. Bronchiectasis
8. Complications of diabetes mellitus
