

2012 Scheme

Reg. No.:.....

Second Year BPT Degree Supplementary Examinations November 2025

Microbiology and Pathology

Time: 3 hrs

Max marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary
- 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. Enumerate in detail the different methods of moist heat sterilization. Explain in detail autoclave

Short notes: (2x8=16)

2. Define and classify hypersensitivity. Explain in detail Anaphylaxis
3. Clinical features and laboratory diagnosis of Hepatitis B infection

Answer briefly: (5x4=20)

4. Candidiasis
5. ELISA
6. Acute Rheumatic fever
7. Clinical features and laboratory diagnosis of Pneumococcal infection
8. Clinical feature and laboratory diagnosis of filariasis

Q P Code: 215014 Section B – Pathology

Marks: 50

Essay: (14)

1. Define inflammation. Describe the vascular and cellular events in acute inflammation
Discuss the differences between acute and chronic inflammation

Short notes: (2x8=16)

2. Amyloidosis – pathogenesis and morphology with special stains
3. Types of anaemia and laboratory findings in iron deficiency anaemia

Answer briefly: (5x4=20)

4. Classification and morphology of tuberculosis
5. Differences between benign and malignant tumors
6. Pathogenesis and complications of nephrotic syndrome
7. Pathological changes in myocardial infarction
8. AIDS – mode of transmission and diagnostic tests
