

Reg. No. ....

**Second Year BPT Degree Supplementary Examinations June 2025**  
**Pathology & Microbiology**  
**(2016 Scheme)**

**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*
- *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: 224014**

**Section A – Pathology**

**Marks: 50**

**Essays**

**(15)**

1. Explain healing by primary and secondary intention. Enumerate the factors affecting wound healing. Write in detail about fracture healing (6+3+6)

**Short Essays**

**(2x10=20)**

2. Pathological calcification
3. Types of Diabetes Mellitus. Pathological changes in various organs in diabetes mellitus

**Short Answers**

**(5x3=15)**

4. Poliomyelitis
5. Difference between benign and malignant tumors
6. Renal calculi
7. Bronchiectasis
8. Rickets

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**Section B – Microbiology**

**Marks: 50**

**Essays**

**(15)**

1. Describe morphology, pathogenesis and lab diagnosis of Human Immunodeficiency Virus (HIV) (5+5+5)

**Short Essays**

**(2x10=20)**

2. Structure and functions of IgG
3. Lab diagnosis of tuberculosis

**Short Answers**

**(5x3=15)**

4. Aspergillosis
5. Malignant pustules
6. Define epidemic, endemic and pandemic infections with one example of each
7. Enumerate three organisms causing meningitis
8. Role of normal flora in health and disease

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