

# **2012 Scheme**

**Reg. No.:.....**

## **Second Year BPT Degree Supplementary Examinations June 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 Pyrexia of Unknown Origin (PUO). What are the etiological agents of PUO. Describe the pathogenesis and laboratory diagnosis of enteric fever

**Short notes:**

**(2x8=16)**

2. Pathogenesis and laboratory diagnosis of pulmonary tuberculosis
3. Antimicrobial susceptibility testing and interpretation

**Answer briefly:**

**(5x4=20)**

4. Agglutination reaction
5. Laboratory diagnosis of filariasis
6. Hepatitis A virus
7. Polio vaccines
8. Candida albicans

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**Q P Code: 215014**

**Section B – Pathology**

**Marks: 50**

**Essay:**

**(14)**

1. Define Neoplasia. Mention the difference between benign and malignant neoplasms. Mention the routes of spread of malignant neoplasms

**Short notes:**

**(2x8=16)**

2. Define edema and mention the types. Discuss the pathogenesis of cardiac edema
3. Describe the pathogenesis and pathological features in primary pulmonary tuberculosis

**Answer briefly:**

**(5x4=20)**

4. Rickets
5. Peripheral neuropathies
6. Iron deficiency anemia
7. Tetralogy of Fallot
8. Environmental carcinogens

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