

Reg. No. ....

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

**Pathology & Microbiology**

**(2016 Scheme)**

**Q P Code: 224014**

**Section A – Pathology**

**Marks: 50**

**Essays**

**(15)**

1. What is Osteomyelitis. Describe about its etiology, pathogenesis, sequence of pathologic changes and complications". (4+4+7)

**Short Essays**

**(2x10=20)**

2. "Describe necrosis and gangrene with its types..
3. Cerebrospinal fluid (CSF) findings in pyogenic meningitis and tubercular meningitis

**Short Answers**

**(5x3=15)**

4. Enumerate the types of congenital heart diseases.
5. Type IV hypersensitivity reaction.
6. Enumerate the conditions that cause COPD.
7. Osteoporosis.
8. Fate of thrombus

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**Section B – Microbiology**

**Marks: 50**

**Essays**

**(15)**

1. Draw a neat labeled diagram of a bacterial cell. Describe the cell wall, capsule and fimbriae in detail

**Short Essays**

**(2x10=20)**

2. Enumerate the risk factors and aetiological agents of urinary tract infections. Describe its laboratory diagnosis and interpretation of the results.
3. Describe the laboratory diagnosis of pulmonary tuberculosis. Add a note on RNTCP.

**Short Answers**

**(5x3=15)**

4. Name three antifungal agents and their uses.
5. Name three DNA and three RNA viruses.
6. Complications of falciparum malaria.
7. Name the virulent factors of streptococcus pyogenes.
8. Hand hygiene - methods and importance

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