

**Second Year BPT Degree Regular/Supplementary Examinations  
June 2021**

**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. Define shock. Discuss the pathogenesis, types and morphologic changes seen in shock.

**(4+4+7)**

**Short Essays**

**(2x10=20)**

2. Describe the bone healing of fractures in long bones.
3. Metastasis

**Short Answers**

**(5x3=15)**

4. Necrosis.
5. Hypertrophy and hyperplasia.
6. Type 1 hypersensitivity reaction.
7. Lobar pneumonia.
8. Classify leprosy

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**Section B – Microbiology**

**Marks: 50**

**Essays**

**(15)**

1. Define and classify antigen antibody reactions. Describe agglutination reactions and ELISA in detail with their applications

**Short Essays**

**(2x10=20)**

2. Enumerate the aetiologic agents of meningitis. Describe the pathogenesis and laboratory diagnosis of streptococcus pneumoniae meningitis.
3. Describe the laboratory diagnosis of HIV infection

**Short Answers**

**(5x3=15)**

4. Classify fungi based on diseases and give one example for each.
5. Oral polio vaccine.
6. Incinerator - principle and uses.
7. Define nosocomial infection. Name two nosocomial pathogens and infections caused by them
8. Hand hygiene - methods and importance

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