

# 2012 Scheme

Reg. No.:.....

## Second Year BPT Degree Supplementary Examinations February 2023

### 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 the methods of sterilization. Explain in detail about dry heat method of sterilization.

**Short notes:**

**(2x8=16)**

2. Mode of transmission and Clinical features and prophylaxis of Poliomyelitis
3. Mode of transmission, pathogenesis and laboratory diagnosis of Hepatitis B infection

**Answer briefly:**

**(5x4=20)**

4. Bacterial growth curve
5. Lab diagnosis of wound infection
6. Principle, holding temperature and applications of autoclave
7. Opportunistic fungal infections
8. ELISA and its applications

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**Q P Code: 215014 Section B – Pathology**

**Marks: 50**

**Essay:**

**(14)**

1. Define and classify Amyloidosis. Describe the pathogenesis and special stains to demonstrate amyloid.

**Short notes:**

**(2x8=16)**

2. Describe necrosis with types.
3. Define embolism and mention different types of embolism.

**Answer briefly:**

**(5x4=20)**

4. Bronchiectasis
5. Osteoporosis
6. Lab diagnosis of iron deficiency anemia
7. Types of aneurysm
8. Gastric Ulcer.

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