

**P P SAVANI UNIVERSITY**  
**Third Semester of B.P.T. Examination**  
**January 2019**  
**SPPT2030 Pathology & Microbiology**

01.03.2019, Friday Time: 9:00a.m. To 12:00noon

Max. Marks: 70

**Instructions:**

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed

**SECTION-I**

**(35 Marks)**

**Question 1 (Essay Question –Any one)**

**(10\*1=10 Marks)**

- 1) Define inflammation. Discuss vascular events in acute inflammation.
- 2) Classify Diabetes mellitus. Explain its complications.

**Question 2 (Short Notes – Any Two)**

**(2\*5=10 Marks)**

- 1) Necrosis
- 2) Pathological calcification
- 3) Laboratory diagnosis of cancer

**Question 3 (Very Short Notes-Any Five)**

**(3\*5=15 Marks)**

- 1) Gout
- 2) Laboratory investigations of anemia
- 3) Fatty liver
- 4) Healing of fractured bone
- 5) Hemophilia
- 6) Spleen
- 7) Etiology of oedema

**SECTION-II**

**(35 Marks)**

**Question 1 (Essay Question –Any one)**

**(10\*1=10 Marks)**

- 1) Define sterilization. Explain “Dry heat sterilization methods”
- 2) Define Antigen. Explain its various properties.

**Question 2 (Short Notes – Any Two)**

**(2\*5=10 Marks)**

- 1) Tetanus
- 2) Symptoms and diagnosis of malaria
- 3) Alcohol sterilization

**Question3 (Very Short Notes-Any Five)**

**(3\*5=15 Marks)**

- 1) Complement fixation test
- 2) Lesions of Staphylococcus
- 3) Escherichia coli
- 4) Laboratory diagnosis of Syphilis
- 5) IgA
- 6) Shapes of bacteria
- 7) Halogens – as disinfectants

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