

Sam 3-Bl-1

# P P SAVANI UNIVERSITY

Third Semester of B. P.T. Examination

October 2021

SPPT2040 Biochemistry

06.10.2021, Wednesday

Time: 10:00 a.m. To 12:00noon.

Maximum Marks: 35

**Instructions:**

1. The question paper comprises of one section.
2. Make suitable assumptions and draw neat figures wherever required.
3. Use of scientific calculator is allowed.

**SECTION - I**

- Q - 1      Essay Question(Any One)      [10]**
- (i)      Explain Tricarboxylic Acid Cycle in detail.
- (ii)      Write in detail on Water soluble and Fat-soluble vitamins.
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- Q - 2      Short Note(Any Two)      [10]**
- (i)      Draw Urea cycle and label.
- (ii)      Explain Lock and Key model of Enzymes.
- (iii)      Blood and its components.
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- Q - 3      Very Short Notes(Any Five)      [15]**
- (i)      Respiratory Quotient.
- (ii)      Significance of Dietary Fibers.
- (iii)      BMR.
- (iv)      Minerals.
- (v)      Kwashiorkor.
- (vi)      ELISA test.
- (vii)      Glycolysis pathway.

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