

P P SAVANI UNIVERSITY

Second Semester of B. P.T. Examination

July 2021

SPPT1110 Biomedical Physics

Time: 10 a.m. To 12 noon.

19.07.2021, Monday

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 in brief: Reflection and Refraction with appropriate examples.
- (ii) Explain Emission Spectrum and its types.
- Q - 2 Short Note(Any Two) [10]**
- (i) Write a note on Perfect Black Body.
- (ii) Explain Piezo-electric generator.
- (iii) State properties of Ultrasonic waves.
- Q - 3 Very Short Notes(Any Five) [15]**
- (i) Explain phenomenon of Absorption of light.
- (ii) Define Absorptive power of a body.
- (iii) Newton's law of cooling.
- (iv) Explain Radio waves.
- (v) Define Frequency of a wave.
- (vi) Uses of Gamma rays.
- (i) Uses of Ultraviolet rays.
