

P P SAVANI UNIVERSITY
First Semester of B.P.T. Examination
January 2019

SPPT 1020 Human Physiology -I

27.02.2019, Wednesday 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) Write in detail about Anemia
- 2) Features of Red and pale muscle.

Question 2 (Short Notes – Any Two)

(2*5=10 Marks)

- 1) Action potential
- 2) Composition of ECF
- 3) Dehydration

Question3 (Very Short Notes-Any Five)

(3*5=15 Marks)

- 1) Chronaxie
- 2) ESR
- 3) Tetanus
- 4) Summation
- 5) Frank-sterling law
- 6) Thrombocytopenia
- 7) Walk-along theory

SECTION-II

(35 Marks)

Question 1 (Essay Question –Any one)

(10*1=10 Marks)

- 1) Write in detail about Pulmonary Function Tests
- 2) Define Blood Pressure and describe its regulation in detail.

Question 2 (Short Notes – Any Two)

(2*5=10 Marks)

- 1) Regulation of heart rate
- 2) Nervous regulations of respiration
- 3) Countercurrent mechanism

Question3 (Very Short Notes-Any Five)

(3*5=15 Marks)

- 1) Shock
- 2) GFR
- 3) ECG
- 4) Arterial pulse
- 5) Diagram of Cardiac cycle
- 6) Spirometry
- 7) Law of lapace
