

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATIONS - October 2021

First Semester

HUMAN PHYSIOLOGY - I

Three Hours

Maximum: 100 marks

SECTION - A

I. Write Short Essay on : (2 x 15 = 30)

1. Define erythropoiesis and describe the process of erythropoiesis
2. Define cardiac output. Discuss the regulations of cardiac output.

II. Write Short Essays on : (8 x 5 = 40)

3. Describe in detail the chemical process involved in muscle contraction.
4. Discuss the mechanism of coagulation of blood
5. Describe the functions of White blood corpuscles
6. Describe heart sounds and its significance
7. Describe the factors controlling heart rate
8. Describe about the parts of a spirometer
9. Describe the Mechanism of rhythmic respiration
10. Outline the steps in Spermatogenesis

III. Write Short Answers on : (10 x 3 = 30)

11. Define Mitochondria
12. Define Red blood corpuscles
13. Define Pacemaker
14. Define stroke volume
15. Define blood pressure
16. Define respiration
17. Define tidal volume
18. Define Hyperthyroidism
19. Define Spermatogenesis
20. Define ovulation
