

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

**DIPLOMA IN MEDICAL LAB TECHNOLOGY
EXAMINATION – September 2021**

First Year

PHYSIOLOGY

Time: Three hours

Maximum: 75 marks

I. Write an essay on any ONE of the following: (1 x 20 = 20)

1. Define blood pressure and Write its normal value. Explain the clinical measurement of blood pressure.
2. Transport of Oxygen in Blood.

II. Write short notes on any TWO of the following: (2 x 10 = 20)

3. Mechanism of muscle contraction.
4. List the hormones of Posterior Pituitary and Write the functions of Oxytocin.
5. Define and classify neuron with diagram.
6. Explain the stages of erythropoiesis with diagram.

III. Write short answers on any SEVEN of the following: (7 x 5 = 35)

7. Write the normal values of urine.
8. Lung Volumes.
9. Electrocardiogram.
10. Blood grouping.
11. Functions of Liver.
12. Cerebro spinal fluid.
13. Micturition.
14. Composition and functions of blood.
15. Gastric Juice.
16. Dead space.
