

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

**DIPLOMA IN MEDICAL LAB TECHNOLOGY
EXAMINATION - February 2020**

First Year

PHYSIOLOGY

Time: Three hours

Maximum: 75 marks

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

1. Draw the structure of nephron and write its function. Add a note on Juxtaglomerular apparatus.
2. Explain ABO system and Rh typing add a note on blood transfusion reaction.

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

3. Describe the structure of neuro muscular junction
4. Explain the stages of entropies with diagram.
5. Transport of oxygen.
6. Define and classify neuron with diagram.

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

7. Cerebrospinal fluid.
8. Growth hormone.
9. Deglutition.
10. Composition of functions of blood.
11. Functions of bile.
12. Micturition.
13. Renal function test.
14. Hypoxia.
15. Heart sounds.
16. Dead space.