

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

DIPLOMA IN MEDICAL LAB TECHNOLOGY EXAMINATION

March 2019

First Year

PHYSIOLOGY - I

Time: Three hours

Maximum: 75 marks

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

1. Name the hormones secreted from thyroid gland and explain in detail about the function of thyroid hormone.
2. Define and classify anaemia. Add a note on iron deficiency anaemia.

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

3. Define blood pressure and write the method of measurement of blood pressure. Add a note on hypertension.
4. ABO blood grouping system.
5. Draw and label the parts of neuron and explain about neuroglia.
6. Classify white blood cells and write their functions.

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

7. Gastric juice
8. Electrocardiogram
9. Hypoxia
10. Refractive errors of eye
11. Taste buds
12. Micturition
13. Artificial respiration
14. Functions of skin
15. Movements of small intestine
16. Functions of testis