

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

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**  
**August 2018**

**First Year**

**PHYSIOLOGY**

Time: Three hours

Maximum: 100 Marks

Answer **ALL** questions.

**I. ESSAY:** (2 x 20 = 40)

1. Describe the mechanics of respiration in detail.
2. Describe the structure, types, functions and properties of neurons.

**II. SHORT NOTES:** (8 x 5 = 40)

3. Components of a cell.
4. Structure of skin.
5. Functions of haemoglobin.
6. Note on heart sounds.
7. Dyspnea.
8. Absorption of fats.
9. Insulin.
10. Oxygen debt.

**III. SHORT ANSWERS:** (10 x 2 = 20)

11. Cytoplasm.
12. Epidermis.
13. Bleeding time.
14. Systemic circulation.
15. Inspiratory vital capacity.
16. Proteins.
17. Glomerular filtration rate.
18. Dwarfism.
19. Define ovulation.
20. Cochlea.