

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

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION

February - 2021

First Year

PHYSIOLOGY

Time: Three hours

Maximum: 100 Marks

Answer **ALL** questions.

I. ESSAY: (2 x 20 = 40)

1. Enumerate the neural control of respiration.
2. Define cardiac cycle. Describe the mechanical events of cardiac cycle with suitable diagrams.

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

3. Functions of a cell.
4. Role of skin in temperature regulation.
5. Composition of blood.
6. Write a note on cardiac circulation.
7. Hypoxia.
8. Functions of gastro intestinal system.
9. Functions of thyroid hormones.
10. Puberty changes in females.

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

11. Endoplasmic reticulum.
12. Functions of haemoglobin.
13. Cardiac output.
14. Tidal volume.
15. Fat soluble vitamins.
16. Anterior pituitary hormones.
17. Draw and label parts of ovary.
18. Any two functions of placenta.
19. Organ of corti.
20. Fatigue.
