

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**B.H.M.S. DEGREE EXAMINATION – April 2019
First Year**

PHYSIOLOGY INCLUDING BIOCHEMISTRY PAPER - I

Time: Three hours

Maximum: 100 marks

I. Write long essays on any **TWO** of the following: (2 x 15 = 30)

- 1) Define cardiac cycle. Explain about the various events of Cardiac cycle.
- 2) Define Anaemia. Explain in detail about the classification of anaemia and give a note on Iron deficiency anaemia.
- 3) Describe the mechanism of urine formation.

II. Write short essays on any **TEN** of the following: (10 x 5 = 50)

- 4) Properties of skeletal muscle.
- 5) Functions of skin.
- 6) Oxygen dissociation curve
- 7) Plasma proteins
- 8) Neuro – muscular junction.
- 9) Heart block
- 10) Functions of spleen
- 11) Reticuloendothelial system.
- 12) Lung volumes and capacities
- 13) Functions of lymphocytes
- 14) Sarcotubular system
- 15) Polycythemia

III. Write short notes of the following: (**Answer ALL**): (10 x 2 = 20)

- 16) Cyanosis
- 17) Respiratory membrane
- 18) Functions of Neutrophils
- 19) Nitrogen Narcosis
- 20) Motor unit
- 21) Benze Jones Proteins
- 22) Artificial Kidney
- 23) Arterial Pulse
- 24) Scuba
- 25) Name the respiratory centres.
