

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

**B.H.M.S. DEGREE EXAMINATION – December 2020**

**First Year**

**PHYSIOLOGY INCLUDING BIOCHEMISTRY PAPER - II**

Time: Three hours

Maximum: 100 marks

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

- 1) What are Glucocorticoids? Describe their functions and control of their secretion?
- 2) Define and describe the process of deglutition. Write a note on achalasia Cardia.
- 3) Describe Connections and functions of Cerebellum.

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

- 4) Enterohepatic recirculation of bile salts.
- 5) Ovulation.
- 6) R.E.M sleep.
- 7) Digestion and absorption of Proteins.
- 8) Color blindness.
- 9) Taste buds and physiology of sensation of taste.
- 10) Kreb's Cycle.
- 11) Vitamin B<sub>12</sub> and Folic acid.
- 12) Transport and storage of Iron in human body.
- 13) Parathormone.
- 14) Cerebro spinal fluid.
- 15) Conditioned reflexes.

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

- 16) Referred Pain.
- 17) Broca's area or motor speech centre.
- 18) Aqueous humour.
- 19) Conduction deafness.
- 20) Testosterone.
- 21) Phospholipids.
- 22) Neuro glia.
- 23) S.D.A ( Specific Dynamic Action)
- 24) Scurvy.
- 25) ADH (Ante diuretic hormone).