

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

**B.H.M.S. DEGREE EXAMINATION – October 2018
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 the various lobes of cerebral Cortex? Describe their functions. Add a note on frontal lobe syndrome.
- 2) Explain the functions and regulations of secretion of Parathormone. Add a note on the disorders of parathormone.
- 3) Describe the different phases of Gastric Secretion with experimental evidences.

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

- 4) Functions of stomach
- 5) Secondary sexual characters in females
- 6) Hunger contractions
- 7) Effects of lesions of optic pathway
- 8) EMP pathway
- 9) Physiology of sleep
- 10) Vomiting
- 11) Hormonal Regulation of menstrual cycle
- 12) Tests of hearing
- 13) Vitamin A
- 14) Ovulation
- 15) Functions of oxytoxin.

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

- 16) Aldosterone escape
- 17) Deficiency disorders of Vitamin D
- 18) Neuroendocrine Reflex
- 19) Succus entericus
- 20) Presbyopia
- 21) Sleep apnea syndrome
- 22) Feto – Placental unit
- 23) Contraceptive methods in Females
- 24) Olfactory pathway
- 25) Tabes dorsalis
