

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

**B.H.M.S. DEGREE EXAMINATION – April 2019
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) Enumerate descending spinal tract. Explain in detail the origin, course, termination, function and effect of lesion of pyramidal tract.
- 2) Define Menstruation. Briefly describe ovarian and uterine changes during Menstruation.
- 3) What are the different types of salivary glands? Describe the composition, function and regulations of secretion of saliva.

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

- 4) Cerebrospinal fluid.
- 5) Colour blindness
- 6) Composition and functions of Bile.
- 7) Krebs cycle
- 8) Functions of hypothalamus
- 9) Sources, functions and deficiency of Vitamin C
- 10) Hormones of adrenal medulla
- 11) Placenta and its functions.
- 12) Blood brain barrier
- 13) Structure of Neuron.
- 14) Spermatogenesis.
- 15) Deglutition reflex.

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

- 16) Diabetes insipidus
- 17) Taste buds
- 18) Acromegaly
- 19) Lipoproteins
- 20) Pellagra
- 21) Safe period
- 22) Cutaneous Receptors
- 23) Peristalsis
- 24) Aphasia
- 25) Neurotransmitters.