

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

M.D. DEGREE EXAMINATION - October 2019

GENERAL MEDICINE

**PART I - PAPER I : APPLIED BASIC SCIENCES IN GENERAL
MEDICINE**

Time: Three hours

Maximum: 100 marks

**Answer any FOUR in Anatomy and Physiology. Three in other subjects.
All questions carry equal marks**

- 1. ANATOMY :** (4 x 5 = 20)
- 1) Fetal circulation
 - 2) Lesser sac
 - 3) Motor innervation of bladder
 - 4) Inguinal canal
- 2. PHYSIOLOGY :** (4 x 5 = 20)
- 5) Oxygen – Hemoglobin dissociation curve
 - 6) Cardiac cycle
 - 7) Vital capacity
 - 8) Resting membrane potential.
- 3. BIOCHEMISTRY :** (3 x 5 = 15)
- 9) ATP
 - 10) HMP - pathway
 - 11) Essential Amino acids
- 4. PHARMACOLOGY :** (3 x 5 = 15)
- 12) Dapagliflozin
 - 13) Adenosine
 - 14) Drugs used in gout
- 5. PATHOLOGY :** (3 x 5 = 15)
- 15) Aschoff nodule
 - 16) Acute phase reactants
 - 17) Atheromatous plaque.
- 6. MICROBIOLOGY :** (3 x 5 = 15)
- 18) Neuro syphilis
 - 19) Atypical mycobacteria
 - 20) Diphtheria.
