

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

M.D. DEGREE EXAMINATION - May 2019

EMERGENCY MEDICINE

PART I - PAPER I: APPLIED BASIC SCIENCES

Time: Three hours

Maximum: 100 marks

All question carry equal marks

I. ANATOMY : **(4 x 5 = 20)**

1. Optic nerve
2. Zones of neck
3. Anatomy of shoulder joint
4. Larynx

II. PHYSIOLOGY : **(4 x 5 = 20)**

5. Cardiac cycle
6. Cerebral circulation
7. Hypernatremia
8. Arterial waveform

III. BIOCHEMISTRY : **(3 x 5 = 15)**

9. Cardiac markers
10. Urine spot sodium
11. Renal function tests

IV. PHARMACOLOGY : **(3 x 5 = 15)**

12. Amiodarone
13. Nitroglycerine
14. hydrocortisone

V. PATHOLOGY : **(3 x 5 = 15)**

15. Myasthenia gravis
16. Gas gangrene
17. G6PD deficiency

6. MICROBIOLOGY : **(3 x 5 = 15)**

18. Coomb's test
19. Cholera
20. Tetanus prophylaxis.
