

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

**M.D. DEGREE EXAMINATION - May 2019**

**GENERAL MEDICINE**

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

Time: Three hours

Maximum: 100 marks

Answer all questions

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

1. Draw a diagram of cerebellum and its connections
2. Embryology of VSD
3. Pupillary reflex
4. Surface anatomy of lungs

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

5. Frank Starling curve
6. Pulmonary function test
7. Blood glucose regulation
8. Neuro transmitters and depression.

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

9. DPP four enzyme
10. CPK MB
11. Vitamin D metabolism

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

12. Insulin Analogue
13. Alendronate
14. Bromocriptine

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

15. Kupffer cell
16. Apoptosis
17. Inclusion bodies

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

18. Diagnosis of H.pylori
19. Prevention of Nosocomial infection
20. Markers in Hepatitis B infection

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