

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

M.S. DEGREE EXAMINATION - May 2019

GENERAL SURGERY

**PART – I - PAPER I : APPLIED BASIC SCIENCES IN GENERAL
SURGERY**

Time: Three hours

Maximum: 100 marks

(Answer **ALL** questions)

Draw suitable diagrams wherever necessary

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

1. Surgical anatomy of thyroid gland.
2. Thoracic duct
3. Celiac trunk
4. Superficial venous system of lower limb.

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

5. Migratory motor complex
6. Micturition reflex
7. Physiology of Lactation
8. Vitamin D metabolism.

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

9. Hypoproteinemia
10. Metabolic Acidosis
11. Lipid profile

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

12. Bupivacaine
13. Methotrexate
14. Proton pump inhibitors.

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

15. Distributive shock
16. Apoptosis
17. ANDI

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

18. Tetanus toxoid
19. Tubercular lymphadenitis
20. Nosocomial infections.
