

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

M.S. DEGREE EXAMINATION - October 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 stomach
 2. Facial artery
 3. Segmental anatomy of liver
 4. Lymphatic drainage of Breast
- II. PHYSIOLOGY :** (4 x 5 = 20)
5. Thyroid hormone synthesis
 6. Pain pathway
 7. Phases of Gastric secretion
 8. Coagulation pathway
- III. BIOCHEMISTRY :** (3 x 5 = 15)
9. Respiratory alkalosis
 10. Hypo magnesemia
 11. Hyperbilirubinemia
- IV. PHARMACOLOGY :** (3 x 5 = 15)
12. Legnocaine
 13. Cyclophosphamide
 14. Tamsulosin
- V. PATHOLOGY :** (3 x 5 = 15)
15. Hypovolumic shock
 16. Modes of spread of cancers
 17. Necrosis
- VI. MICROBIOLOGY :** (3 x 5 = 15)
18. Hydatid cyst
 19. Gas Gangrene
 20. Madura mycosis
