

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

**M.S. DEGREE EXAMINATION - October 2018**

**GENERAL SURGERY**

**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. Triangles of neck
  2. Myopectineal orifice of Fruchaud
  3. Surgical anatomy of anal canal
  4. Couinaud's liver segments
- II. PHYSIOLOGY :** **(4 x 5 = 20)**
5. Parathyroid hormone
  6. Intrinsic mechanism of coagulation
  7. Hypersplenism
  8. Pancreatic enzymes
- III. BIOCHEMISTRY :** **(3 x 5 = 15)**
9. Alkaline phosphatase
  10. Ketone bodies
  11. Hypokalemia
- IV. PHARMACOLOGY :** **(3 x 5 = 15)**
12. Antithyroid drugs
  13. Lignocaine hydrochloride
  14. Octreotide
- V. PATHOLOGY :** **(3 x 5 = 15)**
15. Paraneoplastic syndrome
  16. Testicular tumours
  17. Core needle biopsy
- VI. MICROBIOLOGY :** **(3 x 5 = 15)**

18. Echinococcus Granulosus

19. Sterilization

20. Hepatitis B

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