

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0124)

JANUARY 2024

Sub. Code: 1901

M.Ch. – ENDOCRINE SURGERY

**PAPER I – BASIC SCIENCES AS APPLIED TO ENDOCRINE SURGERY
(APPLIED ANATOMY, PHYSIOLOGY, BIOCHEMISTRY, PHARMACOLOGY
AND PATHOLOGY)**

Q.P. Code: 181901

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Physiology of steroidogenesis and with reference to enzyme deficiency.
2. Surgical Anatomy of trachea and Larynx in relation to Thyroid and Parathyroid surgery.

II. Write notes on:

(10 x 7 = 70)

1. Genetics of Pheochromocytoma and Paraganglioma.
2. Development of Parathyroid Gland and Anatomical Variants.
3. Physiology of Calcitonin and Therapeutic Uses.
4. Progesterone and Breast Cancer.
5. Cellular Mechanisms of Bone Remodeling.
6. Gastrin – Pathophysiology of Hypersecretion.
7. ANDI (Aberrations in Normal Development and Involution) of Breast.
8. Anatomy of Islet of Langerhans.
9. Sentinel Lymph Node Biopsy in Breast Carcinoma.
10. Hypothalamo Pituitary Axis.
