

(LR 064)

NOVEMBER 2020  
(AUGUST 2020 SESSION)

Sub. Code: 1901

**M.Ch. – ENDOCRINE SURGERY**

**Paper I – BASIC SCIENCES AS APPLIED TO ENDOCRINE SURGERY**

*Q.P. Code: 181901*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the embryology and surgical anatomy of the parathyroid glands and its use in surgical approach to parathyroid disease.
2. Physiology of adrenocortical hormone secretion and its use in biochemical testing for adrenal cortical tumours.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Genetic alteration in calcium sensing receptor gene and clinical manifestations.
2. Thyroid peroxidase
3. Physiology of catecholamine synthesis
4. Surgical anatomy of the thymus
5. Histology of adrenal gland and its importance
6. Pituitary hormone synthesis and clinical syndromes.
7. Thyroglobulin estimation and interpretation in thyroid cancer follow up.
8. Nuclear medicine scans in evaluation of hyperthyroidism
9. External branch of superior laryngeal nerve.
10. Arterial stimulation and venous sampling for hyperinsulinemic hypoglycemia syndrome

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