

[LL 124]

OCTOBER 2017

Sub. Code: 2021

**M.D. DEGREE EXAMINATION**

**BRANCH V – PHYSIOLOGY**

**PAPER IV – HISTORY OF MEDICINE, RECENT ADVANCES IN  
CLINICAL PHYSIOLOGY, ENDOCRINOLOGY AND  
REPRODUCTIVE SYSTEMS**

*Q.P. Code :202021*

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Essay:**

**(2 x 10 = 20)**

1. Write an essay on Thyroid dysfunction.
2. Describe in detail the Hypothalamo Hypophyseal Control.

**II. Short Questions:**

**(8 x 5 = 40)**

1. Charles Sherrington's contribution to Neurophysiology.
2. Hermaphroditism.
3. Pheochromocytoma.
4. Metabolic effects of Growth hormone.
5. Adrenogenital Syndrome.
6. Endocrine regulation of Spermatogenesis.
7. Hyperparathyroidism.
8. Glucagon.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Glucocorticoids excess may lead to Osteoporosis.
2. Infertility in Cryptorchidism.
3. Cutaneous pigmentation and diffuse skin tanning in Addison's disease.
4. What is Aldosterone escape? Give Reason.

**IV. Very Short Questions:**

**(10 x 2 = 20)**

1. Electromyography.
2. Anti-inflammatory and anti-allergic effects of Glucocorticoids.
3. Catecholamines.
4. C – Peptide.
5. Involutional Osteoporosis.
6. Leptin.
7. Calcitonin.
8. Nephrogenic Diabetes Insipidus.
9. LH (Luteinising Hormone) Surge.
10. Artificial kidney.

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