

[LI 124]

APRIL 2016

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 a detailed answer on calcium homeostasis. What is latent tetany?
2. Describe the hypothalamo pituitary ovarian axis. Add a note on tests for ovulation.

II. Short Questions:

(8 x 5 = 40)

1. Foetal placental unit.
2. E.H.Starling.
3. Pineal gland.
4. Lipid soluble hormones.
5. Stem cell therapy.
6. Somatomedins.
7. Addison's disease.
8. Thyroid function tests.

III. Reasoning Out:

(4 x 5 = 20)

1. Suppression of female ovarian cycle in nursing mothers.
2. Iodine deficiency causes goiter.
3. Polyphagia in diabetics.
4. Insulin is called hormone of abundance.

IV. Very Short Questions:

(10 x 2 = 20)

1. Insulin Glucagon ratio.
2. Sertoli cells.
3. Dihydrotestosterone.
4. Paracrine secretion.
5. Neuroendocrine reflex.
6. Prostaglandins.
7. Cushing's disease.
8. Defibrillators.
9. Aquaporins.
10. Pancreatic polypeptide.
