

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

[MD 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

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 Questions:

(2 x 15 = 30)

1. Describe the role of Various Hormones in Glucose Homeostasis. Add a note on discoverers of Insulin.
2. Discuss in the Functions, organization of Placenta and its role in Mother and Fetus as a Barrier.

II. Short notes:

(10 x 5 = 50)

1. Infertility.
2. Obesity and its adversity.
3. Cretinism.
4. Physiological changes during Pregnancy.
5. Somatostatin.
6. Counter Regulatory Hormones.
7. Mittelschmerz.
8. Inhibin.
9. C-peptide.
10. Sexual differentiation.

III. Reasoning Out:

(4 x 5 = 20)

1. Menstrual blood does not clot. Why?
2. Pituitary apoplexy. Reason out.
3. Endothelium is a major endocrine gland. Reason out.
4. Corpus cancer syndrome. Reason out.
