

[LQ 124]

AUGUST 2020
(MAY 2020 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. Define a hormone. Classify and describe the mechanism of action of each class.
2. Describe the role of hormones in the development and functioning of mammary gland (a) during pregnancy and (b) Lactation

II. Short notes:

(10 x 5 = 50)

1. Sexual differentiation
2. Clinical use of streptokinase.
3. Role of clinical physiologists in the management of non-communicable diseases.
4. Actions of testosterone in adult male
5. W.Einthoven
6. Echocardiography
7. Biological clock
8. Vasectomy and no scalpel vasectomy
9. Prostaglandins
10. Bio-synthesis and functions of thyroid hormones

III. Reasoning Out:

(4 x 5 = 20)

1. Why is dopamine preferred to treat cardiogenic shock
2. What is Hashimoto's thyroiditis? What is the cause of it?
3. Disturbance of ECF volume is primarily caused by disturbance of sodium balance. How?
4. Why children with cretinism have short stature and mental Insufficiency
