

[LS 124]

NOVEMBER 2020
(OCTOBER 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. Discuss the recent advances in the field of cardiac physiology and add a note on angioplasty.
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. Discuss hormonal replacement therapy
2. Discuss semen analysis and clinical importance.
3. Role of clinical physiologists in the management of non-communicable diseases.
4. Actions of testosterone in adult male
5. Ivan Pavlov
6. Capsule endoscopy
7. Biological clock
8. Role of yoga in life style modification
9. Prostaglandins
10. Bio-synthesis and functions of thyroid hormones

III. Reasoning Out:

(4 x 5 = 20)

1. In severe diabetes there is a negative nitrogen balance. Why?
2. What is Hashimoto's thyroiditis? What is the cause of it?
3. Body fitness prolongs life. Explain.
4. Why children with cretinism have short stature and mental insufficiency.
