

Q.P. Code: 304379

Reg. No:.....

**Third Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations August 2022**

**Gastro Intestinal Physiology, Endocrine System, Reproductive System, Recent
Advances in Physiology**

Time: 3 hrs

Max. Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Describe the mechanism of HCl secretion in stomach. Explain the different phases and regulation of gastric juice secretion. Add a note on peptic ulcer.

Short Essays:

(8x10=80)

2. Describe the stages of spermatogenesis and factors influencing spermatogenesis
3. Describe the actions of Parathormone. Add a note on hypoparathyroidism
4. Describe the movements of Small intestine
5. Explain the adenylyl cyclase cyclic AMP system
6. Explain the digestion and absorption of fats
7. Describe the metabolic actions of glucocorticoids. Add a note on Cushing's syndrome
8. Describe the various phases of ovarian cycle and the hormonal regulation of ovulation
9. Describe the functions of saliva and the regulation of salivary secretion
