

Q.P. Code: 304379

Reg. No:.....

**Third Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations October 2025**

**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 structure of gastric mucosa. Explain the mechanism of gastric juice secretion. Add a note on acid peptic disease and the basis of its management.

Short Essays:

(8x10=80)

2. Hormones of the posterior pituitary and their actions
3. Explain briefly the physiological actions of thyroxine. Add a note on the abnormal secretion
4. Secretions of the adrenal cortex and describe the actions of cortisol
5. How is serum calcium regulated
6. Source and functions of gastrin
7. How is sex determined in the fetus
8. Explain the endometrial and hormonal changes during a menstrual cycle
9. Composition of bile juice and its functions
