

Q.P. Code: 304379

Reg. No:.....

**Final Year M.Sc Medical Physiology Degree Supplementary
Examinations February 2019**

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

Time: 3 hrs

Max. Marks: 100

- *Answer all the questions*
- *Draw diagrams wherever necessary*

Essay: (20)

1. Enumerate the hormones secreted by adrenal gland. Explain the functions and regulation of secretion of glucocorticoids. Add a note on hyper secretion of glucocorticoids.

Short Essays: (8x10=80)

2. Describe the hormonal regulation of blood calcium level.
3. Describe the functions of growth hormone. Add a note on hyper secretion of growth hormone.
4. Describe the stages of spermatogenesis. Explain the factors influencing spermatogenesis.
5. Describe the various methods of family planning used by female with their physiological basis, merits and demerits.
6. Explain the ovarian changes taking place during menstrual cycle with their hormonal basis.
7. Explain the composition, functions and regulation of secretion of pancreatic juice.
8. Describe the stages of deglutition. Add a note on deglutition apnoea.
9. Describe the composition and functions of saliva. Add a note on how secretion of saliva is regulated.
