

**Q.P.Code:304379**

**REG. No:.....**

**Final Year M.Sc Medical Physiology Degree Examinations September 2017**

**Time: 3 hrs**

**Max. Marks:- 100**

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

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

**Essay: (20)**

1. Name the hormones of thyroid gland. Explain the steps of synthesis of iodine containing hormones of thyroid gland. Explain the functions and regulation of secretion of thyroxine. Add a note hyperthyroidism.

**Short Essays: (8x10=80)**

2. Describe the composition, functions and regulation of secretion of gastric juice.
3. Describe the hormonal regulation of blood glucose level.
4. Explain the actions and functions of catecholamines. Add a note on pheochromocytoma.
5. Define menstrual cycle. Explain the uterine changes taking place during menstrual cycle with their hormonal basis.
6. Explain the maternal changes taking place during pregnancy. Add a note on parturition.
7. Describe the family planning methods used by males with their physiological basis, merits and demerits.
8. Describe the various types of movements seen in small intestine, their characteristics and functions.
9. Describe the digestion and absorption of proteins.

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