

**Q.P. Code: 304379**

**Reg. No:.....**

**Final Year M.Sc Medical Physiology Degree Regular/Supplementary  
Examinations November 2020**

**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. What is the normal blood glucose level. How is blood glucose regulated. Add a note on diabetes mellitus.

**Short Essays:**

**(8x10=80)**

2. Phases of deglutition. Add a note on achalasia cardia
3. Functions of large intestine and mechanism of defecation
4. Gastric movements.
5. Name the catecholamines and their actions on heart and blood vessel
6. Growth hormone: physiological functions and disease produced by increased secretion
7. Addison's disease
8. Phases of ovarian cycle and hormonal changes during a menstrual cycle
9. Steps in spermatogenesis and factors regulating spermatogenesis.

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