

**Q.P. Code: 304379**

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

**Third Year M.Sc Medical Physiology Degree Regular/Supplementary  
Examinations September 2021**

**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 hypothalamo-pituitary-adrenal axis and their role in homeostasis.

**Short Essays:**

**(8x10=80)**

2. Actions of hormones produced from adrenal medulla
3. Second messengers and their role in hormonal actions
4. Actions and regulation of posterior pituitary hormones
5. Physiological basis of contraception methods in male and female
6. Gonadotrophic hormones and their actions in male and female
7. Hormonal control of calcium homeostasis
8. Movements of gastro intestinal tract
9. Metabolic functions of liver

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