

**QP Code:101114**

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

**PG Degree Supplementary Examinations in Physiology (MD) -  
November 2015**

**Paper I – General Physiology, Neuro Physiology, Including Special Senses and  
Endocrinology**

**Time: 3 hrs**

**Max marks:100**

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

**Essays: (20)**

1. Explain the pathways for analysis of visual information.

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

2. Explain control of cell function by enzyme regulation
3. Describe the neuronal circuit of basal ganglia and functions of basal ganglia.
4. Describe muscle spindle and role of muscle spindle in muscle function
5. Functions of corpus callosum and anterior commissure.
6. Explain ovulation and role of corpus luteum.
7. Describe the hormones of adrenal medulla in terms of synthesis and physiological functions.
8. Role of glucagon in blood sugar regulation
9. Describe mammogenesis and explain the functions of prolactin.

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