

**QP Code:101114**

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

**PG Degree Examinations in Physiology (MD) - May 2013**

**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. Describe the components and functions of basal ganglia. Discuss in detail the clinical disorders and physiological basis of treatment.

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

2. Molecular basis of smooth muscle contraction
3. Somatomedins
4. Measurement and regulation of extra cellular fluid volume
5. Corpus callosum
6. Neuro endocrine control of puberty
7. Biological actions of thyroxine
8. Regulation of satiety and thirst
9. Auditory pitch perception

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