

QP Code:101114

Reg.No.:.....

PG Degree Examinations in Physiology (MD) - June 2016

**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 basic circuitry, connections and functional organization of cerebellum. Explain in detail the physiological basis of its dysfunctional symptoms.

Short essays: (8x10=80)

2. Blood brain barrier
3. Na-K -ATPase
4. Gibbs Donnan membrane equilibrium
5. Aqueous humour.
6. Cochlear microphonic potentials
7. Auditory perception
8. Role of adenohipophysis in the control of gonadal activity.
9. Pathophysiology of obesity.
