

QP Code: 101114

Reg. No.:.....

**PG Degree Supplementary Examinations in Physiology (MD) -
November 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 mechanism of transmission of olfactory signals to the brain.

Short essays: (8x10=80)

2. Functions of cell membrane in endocytosis
3. Describe the functional unit of cerebellar cortex and its neuronal circuit.
4. Golgi tendon reflex.
5. 'Reward' and 'punishment' functions of limbic system.
6. Physiological functions of oestrogen.
7. Describe the steps in the synthesis of thyroid hormones. Explain the effects of hyperthyroidism
8. Functional significance of hypothalamo- hypophysial system
9. Maternal changes in various organ systems during pregnancy.
