

QP Code:101114

Reg. No.:.....

PG Degree Examinations in Physiology (MD) April 2019

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

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Describe the synthesis, actions and regulation of glucocorticoids secretion.

Short essays:

(8x10=80)

2. Describe circadian rhythm and role of suprachiasmatic nuclei
3. Explain excitation contraction coupling in skeletal muscle
4. Discuss the functions of cerebellum and add a note on cerebellar disorders.
5. Physiological anatomy and functions of placenta
6. Visual pathway and lesions at various levels.
7. Explain the basis of unconditioned and conditioned reflex and its importance.
8. Discuss the physiological actions of insulin and its role in regulation of blood glucose level.
9. Electromyography (EMG)
