

QP Code:101114

Reg. No.:.....

**PG Degree Supplementary Examinations in Physiology (MD)
October 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. Define and classify hormones. Explain the mechanism of action of hormones and add a note on functions of thyroxine.

Short essays:

(8x10=80)

2. Explain pain pathway and its therapeutic applications.
3. Explain cell membrane transport and add a note on membrane disorders.
4. Explain the theories of colour vision with tests for colour blindness.
5. Feedback control mechanisms with example and applications.
6. Discuss the role of basal ganglia in motor activity and add a note on parkinsonism
7. Explain the regulation of calcium with disorders
8. Theories of hearing and merits and demerits of each
9. Assessment of infertility
