

QP Code:101114

Reg. No.:.....

**PG Degree Supplementary Examinations in Physiology (MD)
December 2020**

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

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Describe the functional structure of a typical synapse and discuss the properties with clinical significance.

Short essays:

(8x10=80)

2. Intercellular connections and communication – explain how does they affect cellular physiology.
3. Aberrant sex differentiation
4. Photochemistry of vision.
5. Neuronal pathway for taste.
6. Discuss how skilled movements are planned and carried out.
7. Role of vitamin D.
8. Hypothalamo pituitary – ovarian axis.
9. Blood glucose regulation.
