

**PG Degree Regular/Supplementary Examinations in Physiology
(MD) January 2025**

**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. Explain the aetiology, physiological basis of signs and symptoms, and management of Cushing's disease. Add a note on Cushing syndrome.

Short essays:

(8x10=80)

2. Describe the structure of neuromuscular junction and transmission of impulses.
3. Cochlear microphonic potential.
4. Describe the hormonal control of lactation.
5. Muscle spindle.
6. Genesis of slow wave sleep.
7. Obesity.
8. Hypertonia and spasticity.
9. Conduction and transduction of sound waves in ear.
