

**PG Degree Supplementary Examinations in Physiology (MD)**  
**July 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. Name the Ascending tracts. Describe the Pain pathway. Add a note on Referred pain.

**Short essays:** **(8x10=80)**

2. Aberrant sexual differentiation.
3. Reticular Formation.
4. Molecular motors.
5. Muscular changes during exercise.
6. Sensory receptors.
7. Catecholamines.
8. Physiological basis of Glaucoma.
9. Regulation of blood Calcium.

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