

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

Paper III - Physiological Chemistry, Biophysics and Radiation Biology

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. Define pH. What are the mechanisms involved in regulation of pH.

Short essays:

(8x10=80)

2. Electro retinogram.

3. Mechanism of smooth muscle contraction.

4. Magnetic resonance imaging.

5. Physiology of walking.

6. Leads in electro cardio graphy.

7. Audiogram and its uses.

8. Chemistry of vision.

9. e-GMP.
