

QP Code:103114

Reg.No.:.....

**PG Degree Examinations in Physiology (MD) - May 2014**

**Paper III - Physiological Chemistry, Biophysics and Radiation Biology**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays:** (20)

1. Discuss the law of Laplace and its applications in physiology.

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

2. Acute radiation sickness
3. Blotting techniques
4. Molecular mechanisms of apoptosis
5. Saltatory conduction
6. G proteins
7. Antioxidants
8. Refractory period
9. Pacemaker potential

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