

QP Code:103114

Reg.No.:.....

**PG Degree Supplementary Examinations in Physiology (MD) -
November 2015**

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 methods of measurement of blood flow.

Short essays: (8x10=80)

2. Explain poiseuilles law.
3. Describe the various voltage clamp techniques.
4. Explain refractory period and compare the refractory period in skeletal, cardiac and smooth muscle.
5. Law of laplace in physiological systems
6. Cathode ray oscilloscope.
7. Explain the process of translation.
8. What are the uses of radioisotopes
9. Explain photo chemistry of vision
