

QP Code:103114

Reg.No.:.....

PG Degree Examinations in Physiology (MD) - June 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 Poiseuille's Law and its application in systemic physiology.

Short essays: (8x10=80)

2. Ionic fluxes across cell membrane during rest
3. Endocytosis
4. Donnan effect
5. Ultrasonic in medicine
6. Pulmonary function test
7. Molecular mechanism of muscle contraction
8. Anticipatory responses in muscle exercise
9. Basic electrical rhythm in intestinal smooth muscle
