

QP Code:103114

Reg.No.:.....

**PG Degree Supplementary Examinations in Physiology (MD) -
November 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 role of second messengers in intracellular activation.

Short essays: (8x10=80)

2. Generator potential
3. Apoptosis
4. Patch-clamp technique
5. Positron emission tomography (PET)
6. Echocardiography
7. Electro physiology of sleep
8. Energy resources in a cell
9. Reynold's number
