

QP Code:104114

Reg.No.:.....

**PG Degree Supplementary Examinations in Physiology (MD) -
November 2013**

Paper IV - Applied Physiology Including Recent Advances

Time: 3 hrs

Max marks:100

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

Essays: (20)

1. Describe the recent advances in synaptic transmission. Add a note on pre-synaptic inhibition and facilitation.

Short essays: (8x10=80)

2. What is brocas area. Describe the motor aspect of communication.
3. Prostaglandins in reproductive physiology
4. Circulatory responses to gravitational stress weightlessness.
5. Defibrillators
6. Recent advances in the field of cellular immunity and allergy.
7. Role of calcium in the intrinsic and extrinsic pathways
8. Immune system in tissue transplant
9. Plasmapheresis
