

Q.P.Code:303379

REG. No:.....

Final Year M.Sc Medical Physiology Degree Examinations, September 2013

Time: 3 hrs

Max. Marks:- 100

PAPER III

Nervous System, Special Senses, Muscle and Nerve Physiology

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

Essay: (20)

1. Discuss the hierarchy level of control in executing voluntary movements.

Short Essays: (8x10=80)

2. Compare the action potentials in nerve, skeletal muscle and cardiac muscle.
3. Central neurotransmitters and its role in various areas of brain.
4. Functions of cerebellum
5. Auditory pathway and its significance.
6. Image formation in retina and cerebral cortical role in vision.
7. Mechanism of functions of Macula and Crista in internal ear.
8. Mechanism of transmission across NMJ and myasthenia gravis.
9. Neurophysiology of wakefulness and sleep.
