

Q.P.Code:303379

REG. No:.....

Final Year M.Sc Medical Physiology Degree Examinations, September 2015

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. Describe the organization, connections and functions of hypothalamus.

Short Essays: (8x10=80)

2. Describe the types of sleep. Add a note on electro encephalogram pattern in different stages of sleep.
3. Explain the structure of taste bud and add a note on taste pathway.
4. Describe the errors of refraction of eye with their causes and management.
5. Explain how posture and equilibrium are controlled by cerebellum.
6. Describe the sliding filament theory of muscle contraction
7. What is myasthenia gravis. Explain the physiological basis for its treatment
8. Explain the origin, course termination of cortico-spinal tract. Add a note on upper motor neuron lesion.
9. Components and functions of middle ear.
