

Q.P. Code: 303379

Reg. No:.....

**Final Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations August 2019**

Nervous System, Special Senses, Muscle and Nerve Physiology

Time: 3 hrs

Max. Marks: 100

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

Essay: (20)

1. Describe the pathways for pain from face and body. Describe briefly on endogenous analgesic system and gate control mechanisms for pain sensation.

Short Essays: (8x10=80)

2. Describe taste buds and perception of taste sensations
3. Receptors present in inner ear and their differential role in our body
4. Biogenic amines in brain
5. Higher central control of muscle tone
6. Light reflex and accommodation reflex mechanisms
7. Synaptic inhibitions
8. EEG waves and assessment of sleep stages and disorders
9. Length – tension relationship in skeletal and cardiac muscle.
