

Q.P. Code: 303379

Reg. No:.....

**Third Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations October 2024**

Nervous System, Special Senses, Muscle and Nerve Physiology

Time: 3 hrs

Max. Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Describe the organisation connections and functions of Basal ganglia. Add a note on Parkinson's disease

Short Essays:

(8x10=80)

2. Molecular basis of smooth muscle contraction and relaxation
3. Photochemistry of vision
4. Neurophysiology of pain and its modulation
5. Describe properties of Action potential in a neuron
6. Describe the role of cerebellum in control of motor activity
7. Auditory pathway
8. Mechanism of neuromuscular transmission
9. Inhibitions in spinal cord
