

Q.P. Code: 303379

Reg. No:.....

**Final Year M.Sc Medical Physiology Degree Supplementary
Examinations February 2020**

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. Explain pyramidal tract components, functions and effect of lesion at internal capsule.

Short Essays:

(8x10=80)

2. Importance of EEG and different stages of sleep.
3. Basal Ganglia components and functions. Add a note on Parkinson's disease.
4. Distribution of different types of taste buds on tongue and taste pathway
5. Types of refractive errors and their correction. Add a note on light reflex.
6. Theories of hearing and hearing tests.
7. Sensory receptors classification and properties.
8. Dark Adaptation. Explain photo-chemical changes in photoreceptors involved in Wald's visual cycle.
9. Define synapse and their properties. Name any two excitatory and inhibitory neurotransmitters
