

Q.P. Code: 303379

Reg. No:.....

**Third Year M.Sc Medical Physiology Degree Supplementary
Examinations March 2021**

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. Classify cerebellum on the basis of function. Explain the afferent and efferent connections. Add a note on the effects of lesions

Short Essays:

(8x10=80)

2. Enumerate the difference between upper motor neuron and lower motor neuron lesion.
3. Functions of Hypothalamus.
4. Five properties of a synapse
5. Aqueous humour-formation, circulation and drainage. Add a note on glaucoma.
6. Contents and function of middle ear
7. Excitation – contraction coupling of a skeletal muscle
8. Muscle spindle and its role in stretch reflex
9. Mention the different phases of a monophasic action potential and the ionic change
