

**Q.P. Code: 303379**

**Reg. No:.....**

**Third Year M.Sc Medical Physiology Degree Regular/Supplementary  
Examinations September 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. Describe excitation contraction coupling. Add a note on types of neuro-muscular blocking drugs with mechanism of action.

**Short Essays:**

**(8x10=80)**

2. Erlanger and Gasser method of classification of nerve fibers.
3. Functions of the middle ear.
4. Draw a diagram of optic pathway and effect of lesions at various sites.
5. Functions of cerebellum and clinical tests to evaluate the same.
6. Hypothalamus connections and functions.
7. Theories of colour vision and types of colour blindness and how it is transmitted.
8. Endogenous analgesic system and pain gating mechanism.
9. Secretion of CSF, composition and functions

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