

**Q.P.Code:303379**

**REG. No:.....**

**Final Year M.Sc Medical Physiology Degree Supplementary Examinations,  
February 2016**

**Time: 3 hrs**

**Max. Marks:- 100**

**PAPER III**

**Nervous System, Special Senses, Muscle and Nerve Physiology**

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

**Essay: (20)**

1. Explain the physiological organization, connections and functions of cerebellum. Add a note on cerebellar lesion.

**Short Essays: (8x10=80)**

2. Describe the physiological organization of limbic system and Explain the functions of limbic system.
3. Auditory function tests.
4. Define and classify sensory receptors. Explain the properties of receptors.
5. Describe the pathway for pain from lower limb. Add a note on syringomyelia.
6. Draw the visual pathway and explain the effects of lesions at different sites.
7. Explain the structure of neuromuscular junction and describe the transmission across NMJ.
8. Name the common disorders related to basal ganglia. Explain the causes, and physiological basis for the symptoms of any one.
9. Describe the formation, circulation, composition of cerebrospinal fluid.

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