

160-NR

M.D. DEGREE EXAMINATION – OCTOBER, 2013

PHYSIOLOGY

Paper-I : General Physiology and recent advances including nerve, Muscle Physiology.

Time: 3 Hours

Max. Marks:100

Note: Answer all questions
All questions carry equal marks

WRITE SHORT ESSAYS ON THE FOLLOWING:

1. Resting membrane potential
2. Explain excitation – contraction coupling in relation to skeletal muscle
3. Contribution of Sherrington to physiology
4. Apoptosis
5. Describe the role of G-Proteins as intracellular signaling molecules
6. Classify body fluid compartment and explain any one method of measurement for each
7. Co-transport
8. Blotting techniques
9. Strength – Duration curve
10. Wallerian Degeneration and Regeneration of nerve

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