

160-NR

M.D. DEGREE EXAMINATION – OCTOBER, 2014

PHYSIOLOGY

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

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

Draw diagrams wherever necessary

All questions carry equal marks

Draw neat diagrams wherever necessary

WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Henderson Hasselbalch equation.
 - 2) Milieu interior.
 - 3) Non ionic diffusion.
 - 4) Calcium sparks.
 - 5) Ionic composition of body fluids.
 - 6) Demarcation potential.
 - 7) Metabolism in nerve fibers.
 - 8) Miniature and giant end plate potentials.
 - 9) Gradation of muscle response.
 - 10) Mode of skeletal muscle contraction.
-