

160-NR

M.D. DEGREE EXAMINATION – APRIL, 2015

PHYSIOLOGY

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

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

Draw neat diagrams wherever necessary

All questions carry equal marks

WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Goldman Hodgkin Katz (GHK) Equation.
 - 2) Homeostatic Regulation.
 - 3) Ficks Law of Diffusion.
 - 4) Mode of action of chemical messengers.
 - 5) Total body water.
 - 6) Graded potential.
 - 7) Neurotrophins.
 - 8) Neuromuscular blockage.
 - 9) Dihydropyridine – Ryanodine Receptors.
 - 10) Types of skeletal muscle fibres.
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