

160-NR

M.D. DEGREE EXAMINATION – APRIL, 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. What is genetic code? Explain its significance.
2. Name the various ion channels. Explain the principles of patch clamp technique.
3. Explain the principles of Cathode – Ray oscilloscope
4. Describe bio feed back mechanisms with examples.
5. Pathophysiology of Ageing
6. Describe the contributions of Starling in understanding physiological principles.
7. Claude Bernard.
8. Explain Biphasic Action Potential and its clinical importance
9. Intracellular connections
10. Molecular basis of skeletal muscle contraction.

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