

Q.P.CODE:160-NR

Dr. NTR University of Health Sciences::Vijayawada-520 008
M.D. DEGREE EXAMINATION – MAY, 2017

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) Carrier mediated transport mechanisms
- 2) Ionic basis of action potential in a nerve
- 3) Endocytosis and exocytosis
- 4) Classification of nerve fibers
- 5) Cytokines
- 6) Second messenger systems
- 7) Neuromuscular transmission in muscles
- 8) Functional characteristics of smooth muscle
- 9) Actions of Vitamin D₃
- 10) Major Histo-compatibility complex I & II
