

160-NR

Dr. NTR University of Health Sciences::Vijayawada-520 008
M.D. DEGREE EXAMINATION – NOVEMBER, 2016

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) Discuss functions of cell membrane
- 2) Discuss generation of end plate potential at neuromuscular junction
- 3) Discuss streamline and turbulent blood flows
- 4) Discuss the role of retinal cells in neurophysiology of vision.
- 5) Discuss the role of basilar membrane
- 6) Discuss mechanism of action of protein / polypeptide hormone
- 7) Discuss the role of inhibitory neurotransmitters in brain
- 8) Describe in brief water balance
- 9) Discuss the role of CCK in gastrointestinal functions
- 10) Transcription and translation of genes
