

Q.P.CODE:160-NR

DR NTR UNIVERSITY OF HEALTH SCIENCES:: VIJAYAWADA
M.D. DEGREE EXAMINATION – **APRIL, 2019**

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) Compare properties of Cardiac and skeletal muscle
- 2) Discuss the role of loop of Henle in concentration of urine
- 3) Discuss factors affecting peripheral resistance. Add a note on Poiseuille's Law
- 4) Discuss the mechanism of how pitch of the sound is appreciated by ear.
- 5) Discuss analgesic system of body
- 6) Discuss the role of nitric oxide in various systems of our body.
- 7) Discuss Starling's forces for tissue fluid formation
- 8) Discuss various types of data collected in research project. How is it analyzed?
- 9) Discuss etiopathology and management of acid peptic disease
- 10) Discuss energetics of muscle contraction
