

**Q.P.CODE:161-NR**

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

**SYSTEMIC PHYSIOLOGY**

Paper-II : Blood, Digestion, excretion, endocrine including  
reproductive system

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

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WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Discuss functions of Large Intestine
- 2) Discuss endocrine control on testicular functions
- 3) Classify anaemia. How will you investigate a case of anaemia?
- 4) Discuss effects of renal failure. Add a note on hemodialysis.
- 5) Describe the actions mediated via different cholinergic receptors.
- 6) Describe actions and regulation of growth hormone
- 7) Define the term conditioning. Discuss experiments of Pavlov.
- 8) Discuss metabolism in Diabetes Mellitus
- 9) Discuss the role of placental hormones
- 10) Renal regulation of p<sup>H</sup>

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