

**Q.P.CODE:163-NR**

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

**SYSTEMIC PHYSIOLOGY**

Paper-IV : Applied Physiology

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) Define the term puberty. Give hormonal basis for the same
- 2) Discuss hormonal regulation of serum calcium level
- 3) Discuss functions of liver. Add a note on liver function tests
- 4) Discuss the role of limbic system
- 5) Discuss the contraceptive methods used in female
- 6) Discuss the effects of decompression
- 7) Define shock. Discuss compensatory phase of hypovolemic shock.
- 8) Discuss lesions of spinal cord with special reference to Brown-Sequard syndrome
- 9) Discuss neurophysiology of taste sensation
- 10) Describe physiology of REM sleep

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