

**Q.P.CODE:162-NR**

*Dr. NTR University of Health Sciences::Vijayawada-520 008*  
**M.D. DEGREE EXAMINATION – APRIL, 2019**

**SYSTEMIC PHYSIOLOGY**

Paper-III : CNS, CVS, RS and Special Senses

Time: 3 Hours

Max. Marks: 100

Note: Answer all questions

Draw neat diagrams wherever necessary

All questions carry equal marks

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**WRITE SHORT ESSAYS ON THE FOLLOWING:**

- 1) Discuss evolution of respiratory system in vertebrates
- 2) Describe origin, course, termination and functions of dorsal column tracts.
- 3) Discuss the role of hypothalamus in temperature regulation
- 4) Discuss various cardiorespiratory efficiency tests
- 5) Discuss the contribution of Dr.Avtar Singh Paintal & Dr.B.K.Anand in physiology
- 6) Discuss connections and functions of Cerebellum
- 7) Discuss clinical effects seen in nerve degeneration and regeneration
- 8) Discuss Olfactory pathway
- 9) Describe peculiarities and regulation of coronary circulation
- 10) Discuss hormonal control of lactation

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