

**Q.P. Code: 214252**

**Reg. No.:.....**

**Final Year PG Ayurveda Degree Regular/Supplementary  
Examinations February 2025**

**(Kriyasharir)**

**Paper IV – Modern Physiology and its applied aspects**

**(2016 Scheme)**

**Time: 3 hrs**

**Max marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*

**Essay**

**(20)**

1. Write the functional anatomy of cardiovascular system. Explain blood pressure and its control.

**Short essays**

**(8x10=80)**

2. Describe the process of spermatogenesis.
3. Define the terms – endocrine, paracrine, autocrine. Explain the physiological functions of parathyroid hormone.
4. Explain mechanism of respiration. Brief the transportation of respiratory gases.
5. What is a reflex. Explain the mechanisms involved in spinal reflex.
6. Describe the mechanism of blood clotting and explain the role of investigations in bleeding disorders.
7. Describe recent advances in tissue engineering and stem cell research.
8. Explain the mechanism of Renal tubular reabsorption and secretion and the various factors affecting them.
9. Write the functions of brain stem.

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