

**AYURVEDA VACHASPATI (M.D.AYURVEDA) (2017 COURSE)**  
**Specialisation KRIYA SHARIRA :SUMMER- 2022**  
**SUBJECT : PAPER-IV MODERN PHYSIOLOGY & ITS APPLIED ASPECT**

Day : Monday

Time : 10:00 AM-01:00 PM

Date : 22-08-2022

**S-18008-2022**

Max. Marks : 100

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Draw neat and labelled diagrams **WHEREVER** necessary.

**Long Answer Questions (ANY 3 X 20 Marks Each = 60)**

- Q.1** Describe role of different hormones during female life.
- Q.2** Describe types of respiration and mechanism. Also describe exchange of gases.
- Q.3** Explain immune physiology in detail.
- Q.4** Explain Physiology of autonomic nervous system.

**Short Answer Questions (ANY 2 X 10 Marks Each = 20)**

- Q.5** Write male reproductive system and spermatogenesis in detail.
- Q.6** Write electrical and mechanical properties of heart muscles.
- Q.7** Write blood groups and principles of blood transfusion.
- Q.8** Write shot notes on (ANY 4 X 5 Marks Each = 20)
- a) Genetic code and expression
  - b) Advances in tissue engineering
  - c) Computerized Spirometry
  - d) Control of micturition
  - e) Physiology of Vegadharana

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