

**M.D. (KRIYA SILARIRA) (2017 COURSE) : SUMMER 2020**  
**SUBJECT : PAPER – IV : MODERN PHYSIOLOGY AND APPLIED ASPECT**

Day : **Tuesday**  
Date : **22-09-2020**

Time : **2:00 P.M. TO 5:00 P.M.**  
Max. Marks : **100**

**S-2020-18008**

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Draw neat and labelled diagrams **WHEREVER** necessary.

Long answer question (**ANY THREE**)

(60)

1. Describe Physiology of Cardiovascular system and explain Cardiac cycle in detail.
2. Explain composition of blood and stages and development of RBC in detail.
3. Describe functional Anatomy of urinary tract and formation of Urine according to modern science.
4. Describe physiology of Autonomic nervous system.

Short answer question (**ANY TWO**)

(20)

1. Describe mechanism of maintenance of homeostasis.
2. Explain sensory and motor functions of nervous system.
3. Describe physiology of Male reproductive system and spermatogenesis in detail.

Write short notes on **ANY FOUR** of the following :

(20)

1. Classification of Muscles
2. Physiology of Lymphatic circulation
3. Properties of Cardiac Muscles
4. Physiological response to Vega Vidharan
5. Hematology analyzer

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