

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

Day : **Saturday**  
Date : **20-02-2021**

Time : **10:00 AM TO 1:00 P.M.**  
Max. Marks : 100

**W-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. Explain functions of different parts of brain.
2. Define Endocrines and describe thyroid gland in detail.
3. Describe formation of urine and describe Renal function tests.
4. Define Immunity and describe its types in detail.

Short answer question (**ANY TWO**) (20)

1. Explain Mechanism of Blood clotting and state physiological basis of blood groups.
2. Classify muscles and explain electrical and mechanical properties of Skeletal and smooth muscles.
3. Explain functional anatomy and mechanism of respiration.

Write short notes on **ANY FOUR** of the following : (20)

1. Functions of Skin
2. Physiology of Yoga
3. Physiology of muscles
4. Computerized spirometry
5. Genetic code and its expression

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