

**PARUL UNIVERSITY****FACULTY OF AYURVED****M.S/M.D. (Ayurved), August - 2022 Examination****Year: Final Year****Date: 29/08/2022****Subject Code: 02203204****Time: 10:00 am to 01:00 pm****Subject Name: Kriya Sharir–Modern Physiology and its Applied Aspect****Total Marks: 100**

1. Attempt all questions from each section.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Write separate sections on separate answer sheets.

**SECTION – A (50 Marks)**

- Q.1** Describe the hormones of pituitary gland with their deficiency disorders. (20)
- Q.2** Explain in detail the functions of hypothalamus and limbic system. (20)
- Q.3 Attempt any Two. (Each of 5 marks)** (10)
- a. Describe physiology of thyroid gland.
  - b. Describe male reproductive system. Write the functional abnormalities that cause male infertility.
  - c. Define respiration. Write mechanism of respiration, exchange & transportation of gases.

**SECTION – B (50 Marks)**

- Q.1** Write haemopoiesis. Write and explain the functions of blood. (20)
- Q.2** Write the functional anatomy of urinary tract with functions of kidneys. Explain in detail the mechanism of urine formation. (20)
- Q.3 Attempt any Two. (Each of 5 marks)** (10)
- a. Write the functions of skin, sweat glands & sebaceous glands.
  - b. Write the properties of muscles.
  - c. Write the role of various laboratory instruments like Physiograph, spirometer, biochemical analyzer, hematology analyzer.