

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN  
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)  
Chromepet, Chennai — 600 044.

B.Sc. (CND) - END SEMESTER EXAMINATIONS APRIL-2023

SEMESTER - II

**20UNDCT2003 - HUMAN PHYSIOLOGY**

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

### **Section A**

Answer any **SIX** questions ( $6 \times 5 = 30$  Marks)

1. State the functions of Golgi apparatus.
2. Illustrate the composition of blood in neat flowchart.
3. Sketch the human heart and label its parts.
4. Rephrase the mechanism of respiration in human body.
5. Describe the digestion of carbohydrates.
6. Sketch the structure of neuron and label its parts.
7. Infer the functions of pituitary glands in the human body.
8. Ascertain the mechanism involved in ovulation.

### **Section B**

Answer any **THREE** questions ( $3 \times 10 = 30$  Marks)

9. Explain the mechanism involved in the transportation across cell membranes.
10. Appraise the functioning of cardiac cycle in human body.
11. Infer the mechanism of gaseous exchange in lungs.
12. Ascertain the physiology of human vision.
13. Critically analyse the mechanism involved in acid-base balance and water balance.

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