

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 - 2024

SEMESTER - II

**20UNDCT2003 - Human Physiology**

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

### **Section B**

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

1. Elucidate the transport across cell Membranes.
2. Interpret the digestion and absorption of carbohydrates.
3. Predict the structure of nephron.
4. Explain the structure of neuron.
5. Sketch the composition and functions of plasma.
6. Explain Blood pressure by factors affecting Blood pressure.
7. Illustrate the acid-base balance.
8. Infer the functions of thyroid hormones.

### **Section C**

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

9. Illustrate and Explain Cardiac Cycle.
10. Explain the measurement of arterial blood pressure by direct method.
11. Examine the mechanism of respiration.
12. Discuss the ovulation and fertilization.
13. Assess the general anatomy of nervous system.

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