

Roll.No.

20UNDC2003

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 - NOVEMBER 2025

SEMESTER - II

**20UNDC2003 - Human Physiology**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

### **Section B**

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

1. Explain the structure and functions of mitochondria.
2. Describe the functions of red blood cells.
3. Explain the mechanism of respiration.
4. Write short notes on functions of pituitary hormones.
5. Write short notes on the menstrual cycle.
6. Write a short note on digestion of proteins.
7. Write short notes on factors affecting blood pressure.
8. Write a short note on classification of epithelial tissue.

### **Section C**

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

9. Describe the structure and functions of different cell organelles with a neat diagram.
10. Explain the structure of the heart and the cardiac cycle with a diagram.
11. Describe the process of digestion and absorption of carbohydrates, proteins, and fats in the human digestive system
12. Explain the structure and functions of the neuron, reflex arc, brain.
13. Discuss the functions of pituitary, thyroid, adrenal, and pancreatic hormones and their interrelationships.

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