

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.

M.Sc. FSND- END SEMESTER EXAMINATIONS - NOV'2024

SEMESTER -I

20PNDCT1002 -Advanced Human Physiology

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

Section B

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

1. Interpret on Transport mechanism of cells across the membrane.
2. Give an account on cardiac cycle and conduction of heart with illustration.
3. Discuss the hyperactivity of Growth Hormone.
4. Describe the digestion and absorption of protein and fat.
5. Write the process of spermatogenesis and list the factors influencing it.
6. Outline the classification of synapse.
7. Explain the structure and functions of Nephron with illustration.
8. Discuss about Lung Volumes and Lung Capacity.

Section C

I - Answer any **TWO** questions ($2 \times 10 = 20$ Marks)

9. Discuss various types of epithelial tissues and mention its functions.
10. Explain the process of Blood coagulation.
11. Write a detailed note on exchange of gases in lungs and tissues.
12. Describe the structure of spinal cord and list the functions of Cerebrospinal fluid.

II - Compulsory question ($1 \times 10 = 10$ Marks)

13. a) Elaborate on the role of hormones in reproduction and lactation.
b) Brief on digestion and absorption of carbohydrates.
