

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.(NFSMD) - END SEMESTER EXAMINATIONS APRIL-2023

SEMESTER - I

**20UFMCT1002 - Human Physiology**

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

### **Section B**

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

1. Draw and explain the structure of a cell.
2. Describe the principal components of blood.
3. Analyse the pressure and volume changes that occur during a cardiac cycle.
4. Explain the process of oogenesis in the ovaries.
5. Distinguish between somatic and reproductive cell division.
6. Illustrate the structure of neuron with a neatly labelled diagram.
7. Summarize the events of inhalation and exhalation.
8. Infer the functions of kidneys.

### **Section C**

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

9. Describe the organization of the nervous system.
10. Classify the basic types of tissues that make up the human body and explain the characteristics of each.
11. Examine the structure of heart.
12. Identify the organs of the gastrointestinal tract and explain their role.
13. Appraise the functions of pituitary hormones.

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