

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.Psychology - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - I

21UPCCT1002 - Biological Psychology - I

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. Explain the different view points to explore the biology of behavior.
2. Describe the structure of a neuron and its functions.
3. Discuss the process of neurotransmitter release and receptor activation.
4. What are the divisions of the nervous system? Explain their functions.
5. Explain the conduction of action potential in neurons.
6. Describe the general principles of hormonal actions.
7. How does brain damage affect behavior?
8. Discuss the feedback control mechanisms in hormone regulation.

Section C

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

9. Discuss different methods used to study the relationship between brain and behavior.
10. Explain the meaning and process of ventricular system and production of cerebrospinal fluid.
11. Describe the development and structure of the central nervous system.
12. Explain the role of endocrine glands and their hormones in human physiology.
13. Analyze the impact of neurotransmitter imbalances on behavior and mental health.
