

**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. - END SEMESTER EXAMINATIONS APRIL - 2022

SEMESTER - II

20PPBCT2005 - Cell Biology

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. Explain active transport.
2. Write about Structure and Functions of Cytoskeleton.
3. Give a detail information about Chloroplast.
4. Write about different steps in Cell cycle.
5. Write a short notes on Mitosis and its different stages.
6. Give detail account on -banding technique in chromosome.
7. Explain transposons.
8. Write about plant Cell Wall.

Section B

Part A

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

9. Write an essay structure and function of plasma membrane.
10. Write about Nucleus origin and functions.
11. Give a detail commends on meiosis cell division.
12. Explain fine structure of gene and its functions.

Part B

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

13. Write about any five cellular Organelles and their functions.
