

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.PBPBT - END SEMESTER EXAMINATIONS - NOV'2024

SEMESTER - V

24UPBET5B01 - Seed Technology

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. What is the process of pollination, and what are its two types?
2. What are the structural details of a castor seed?
3. Explain the role of the seed coat in seed protection and dispersal.
4. What are the different methods of seed sampling?
5. Define the tetrazolium test and its purpose.
6. Explain the different classes of seed certification.
7. What are the eligibility requirements for seed certification?
8. Evaluate the role of certified seed production in protecting plant genetic resources.

Section C

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

9. Compare and contrast the advantages and disadvantages of different methods of seed production.
10. Analyze the factors that influence seed germination rate and percentage.
11. Assess the impact of climate change on seed viability and moisture content.
12. Evaluate the effectiveness of seed certification programs in promoting sustainable agriculture.
13. Assess the impact of certified seed production on agricultural productivity and food security.
