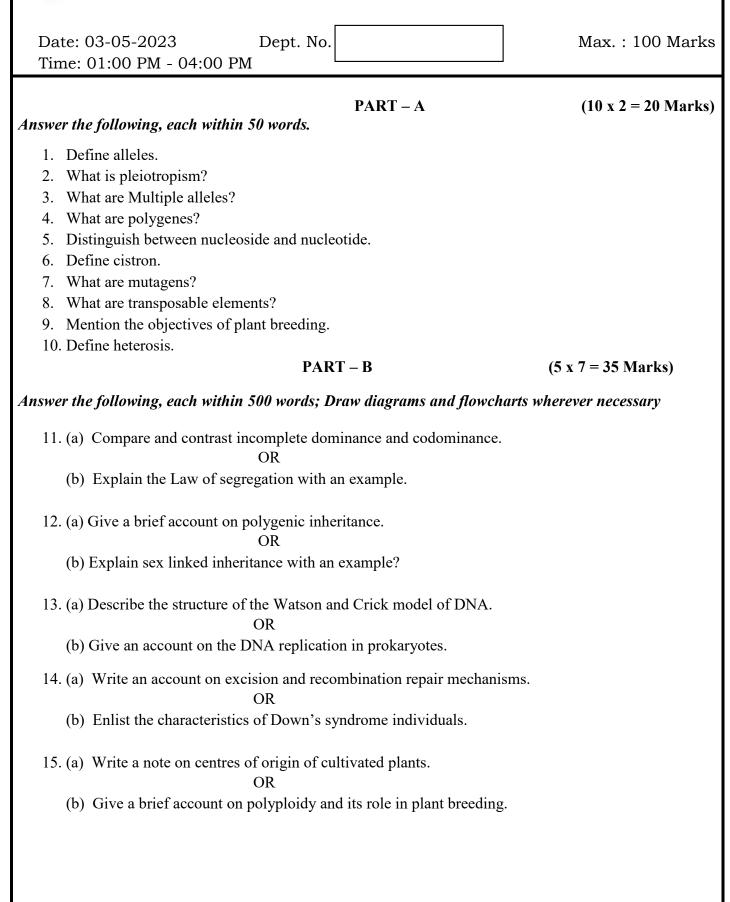
# LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

**B.Sc.** DEGREE EXAMINATION – **PLANT BIOLOGY AND PLANT BIOTECHNOLOGY** 

### FIFTH SEMESTER – APRIL 2023

## 16/17/18UPB5MC02 – GENETICS AND PLANT BREEDING



## PART – C

Answer **any three** of the following, each within 1200 words. Draw diagrams and flowcharts wherever necessary

16. Explain the law of Independent assortment with an example.

17. Write a detailed account on any two non- allelic gene interaction you have studied.

18. Describe the structure and functioning of *lac* operon.

19. Write an essay on different types of chromosomal aberrations.

20. Write a detailed account on hybridization in plants.

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