

Roll No.

Y – 3148 (A)
M.Sc. (Botany) (Fourth Semester) (SPECIAL)
EXAMINATION, August 2021
(SECOND CHANCE)

Paper – 401

GENETICS PLANT BREEDING AND EVOLUTION

Time : Three Hours

Maximum Marks : 85

Minimum Pass Marks : 29

Note—Attempt *all* questions.

1. Explain in detail about gene interaction. What do you understand by lethality ? 17
2. What are ciston, recon and muton ? How are these related to term 'gene' ? 17
3. Give a detailed account of cytoplasmic inheritance. 17
4. Write an essay on origin of life. 17
5. What is Heterosis ? Discuss its role in the evolution of important crop plants. 17