

Roll No.

Y – 3149

M.Sc. (Fourth Semester) EXAMINATION, May/June-2021

BOTANY

Paper – 402

**PLANT-BIO-TECHNOLOGY : INVITROCULTURE GENETIC
ENGINEERING AND IPR ISSUE**

Time : Three Hours

Maximum Marks : 85

Minimum Pass Marks : 29

Note—Attempt *all* questions.

Unit-I

1. Write a detailed note on concept and scope of Biotechnology. 17

Unit-II

2. Define protoplast culture. Discuss methods for isolation of protoplast. 17

Unit-III

3. Discuss various strategies of microbial strain improvement. 17

Unit-IV

4. Describe properties of endonuclease enzymes and its types. 17

Unit-V

5. Write down methods for construction of genomic and DNA Libraries. 17

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