

21P331

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Name:

Reg.No:

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P BOT3 C09 - BIOTECHNOLOGY AND BIOINFORMATICS

(Botany)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Discuss tissue culture Laboratory facilities.
2. Discuss Applications of callus culture.
3. Describe the prospects and achievements of rDNA technology.
4. Make a short note on scope of bioinformatics.
5. Make a note on both DOTPLOT and HTML.
6. Prepare the features of HTML.
7. Prepare a short note on PLOS.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Summarize Organogenesis.
9. Prepare a note on Applications of plant tissue culture.
10. Explain terminator traitor technologies.
11. Analyse objectives and developments in cloning.
12. Make a detailed account on the electronic journals.
13. Prepare the importance of RasMol in protein studies.
14. Make a note on application of computer in science with special reference to biology.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Summarize Ovary and ovule culture.
16. Describe various blotting techniques.
17. Describe Human Genome Project. Discuss its methodology and significance.
18. Prepare an essay on emerging areas of Bioinformatics in detail.

(2 × 5 = 10 Weightage)
