

20P316

(Pages: 1)

Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS-PG)

(Regular/Supplementary/Improvement)

CC19P ZO3 C09 - MICROBIOLOGY AND BIOTECHNOLOGY

(Zoology)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

I. Answer any *four* questions.

1. Transposons.
2. Homolactic and heterolactic fermentation.
3. GATT and TRIPS.
4. Insect pest control.
5. SARS and MERS.
6. BAC and PAC.
7. Growth Curve.

(4 × 2 = 8 Weightage)

II. Answer any *four* questions.

8. Explain measurements of microbial cells.
9. Comment on transgenesis and give two examples.
10. Discuss Microbial taxonomy.
11. Comment on Gene silencing techniques.
12. Explain DNA sequencing method.
13. Comment on Antibiotics and their mechanism of action.
14. Recombinant DNA screening.

(4 × 3 = 12 Weightage)

III. Answer any *two* questions.

15. Comment on social ethics and acceptance of Transgenic technology.
16. Explain different methods of microbial control.
17. Molecular markers and their application.
18. Write an essay on bioremediation.

(2 × 5 = 10 Weightage)
