

19P216

(Pages: 1)

Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCSS - PG)

CC19P ZOL2 C05 - MOLECULAR BIOLOGY AND CYTOGENETICS

(Zoology)

(2019 Admission - Regular)

Time: Three Hours

Maximum: 30 Weightage

I. Attempt any *four* questions.

1. si RNA
2. Okasaki fragment.
3. Transposons in Maize.
4. Evolutionary clock.
5. Oncogenes.
6. Micro deletion.
7. Chloroplast genes.

(4 x 2 = 8 Weightage)

II. Attempt any *four* questions.

8. Write about Transposons in Drosophila.
9. Globin genes expression in Man
10. Write notes on Wobble hypothesis
11. Role of chaperones in protein folding.
12. Translational proof-reading
13. Galactose Operon.
14. Biogenesis of ribosome in eukaryotes

(4 x 3 = 12 Weightage)

III. Attempt any *two* questions.

15. Write an essay on Molecular mechanism involved in homologous recombination in Eukaryotes
16. Write an essay on Translational inhibitors.
17. Give an account of genetic code
18. Explain DNA damage and repair system

(2 x 5 = 10 Weightage)
