



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

THIRD SEMESTER – APRIL 2019

16/17UZO3MC04– ORGANIC EVOLUTION

Date: 16-04-2019
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

SECTION – A

Answer ALL the questions

(10 x 2 = 20 Marks)

1. What is organic Evolution?
2. Define Mimicry.
3. Comment on Hybridization.
4. What is Fossil record?
5. Comment on Human Genome Project.
6. What is eukaryote?
7. What are Mutagens?
8. What is Parallel Evolution?
9. What is Geological Time Scale?
10. Comment on Euphenics.

SECTION-B

Answer any **FOUR** of the following questions:

(4×10=40 Marks)

11. Explain the Urey-Miller experiment.
12. Give a brief notes on Animal colouration.
13. Write an account on Convergent Evolution.
14. Describe the Physiological and Biochemical evidences in Evolution.
15. Write brief notes on Eugenics and Euthenics.
16. Give short notes on dating of fossils.

SECTION-C

Answer any **TWO** of the following questions:

(2 ×20=40 Marks)

17. Write short notes on Origin of Prokaryotes.
18. Write a brief notes on the Lamarckism and neolamarckism.
19. Give an account on Isolating mechanism.
20. Explain in detail about the Fossil records of man.
