



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY**

**THIRD SEMESTER – NOVEMBER 2019**

**17/18UZO3MC04 – ORGANIC EVOLUTION**

Date: 04-11-2019

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

**SECTION – A**

Answer **ALL** the questions

**(10 x 2 = 20 Marks)**

1. What is prokaryote?
2. State the functions of Mutagens.
3. What is convergent evolution?
4. Comment on Epoch?
5. Expand HGP.
6. What is Primordial earth?
7. Define Mimicry.
8. What is allopatric speciation?
9. Define Fossilization.
10. Comment on Euphenics.

**SECTION -B**

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

**(4×10=40 Marks)**

11. Write short notes on chemical origin of evolution.
12. Explain the De vries-mutation theory.
13. Give an account on pre-zygotic isolation.
14. Explain the Physiological and Biochemical evidences in Evolution.
15. Write short notes on evolution and ethics.
16. Describe the origin of Prokaryotes.

**SECTION -C**

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

**(2 ×20=40 Marks)**

17. Write a brief notes on the Lamarckism and neolamarckism.
18. Give an account on speciation.
19. Explain in detail about the Fossil records of man.
20. Differentiate and explain the Eugenics and Euthenics.

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