

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



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

**THIRD SEMESTER – NOVEMBER 2017**

**16UZO3MC04 – ORGANIC EVOLUTION**

Date: 10-11-2017

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

**PART-A**

**Answer ALL questions:**

**(10 ×2=20)**

1. What is Primordial earth?
2. Define Mimicry.
3. What is Adaptive radiation?
4. Define Fossilization.
5. Comment on Euphenics.
6. What is Inorganic Evolution?
7. Comment on Use theory.
8. Define Hybridization.
9. What is Geological Time Scale?
10. Comment on Human Genome Project.

**PART-B**

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

**(4×10=40)**

11. Write short notes on Origin of Prokaryotes.
12. Explain the de Vries mutation theory.
13. Give an account on Convergent and Parallel Evolution
14. Explain in detail about the Fossil records of man.
15. Write brief notes on Eugenics and Euthenics.
16. Give an account on Animal colouration.

**PART-C**

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

**(2 ×20=40)**

17. Explain the History of Evolutionary thoughts and Urey-Miller experiment.
18. Write a brief notes on the Lamarckism and neolamarckism.
19. Give an account on Isolating mechanism.
20. Explain in detail about the Physiological and Biochemical evidences in Evolution.

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