

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

THIRD SEMESTER – APRIL 2018

16UZO3MC04– ORGANIC EVOLUTION

Date: 19-04-2018

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

Part – A

Answer all the questions:

(10×2=20 marks)

1. What is Lamarckism?
2. Comment on convergent evolution.
3. Write short notes on Euthenics.
4. Define Hardy Weinberg law.
5. What is Genetic death?
6. Define Cosmozoic theory.
7. What is Allopatric species?
8. What are Living fossils?
9. Comment on sympatric speciation.
10. Define Biogenetic Law.

Part – B

Answer any four questions:

(4×10=40 marks)

11. Tabulate geological time scale
12. Explain the types of fossils and their significance
13. Elaborate the Lamarckian principles.
14. Write an account on evolution and ethics
15. Give an account on adaptive radiation in placental mammals
16. Write a paragraph on Eugenesis.

Part- C

Answer any two questions:

(2×20=40 marks)

17. Write an essay on Human Genome Project.
18. Describe in detail Darwin's theory of natural selection.
19. Write an essay on coloration and mimicry.
20. Discuss chemical origin of life.
