

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY

FIRST SEMESTER – NOVEMBER 2019

16UZO1AL01 – ANIMAL DIVERSITY

Date: 04-11-2019

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

Part – A

Answer All the Questions

(10 × 2 = 20)

1. Write the importance of amniotic fluid in human embryo.
2. Write a note on hibernations.
3. What is the function of placenta in mammals?
4. Mention the importance of the foetal membranes?
5. Comment in mimicry among animals,
6. Differentiate alecithal eggs from polylecithal eggs with examples.
7. Comment on tympanic membrane of *Rana tigrina*.
8. What is the function of pigment cells of Calotes Verisicolor?
9. Write down the purpose of advertisement call of frog.
10. Mention the function of hirudin.

Part – B

Answer any FOUR Questions

(4 × 10 = 40)

11. Explain the different types of eggs of *Ascaris lumbricoides*.
12. Elaborate the life cycle and development of tapeworm.
13. Write an essay on the diversity of living and its importance.
14. Explain the structural organization of placentation in mammals.
15. Explain the characteristics of *Hirudo medicinalis* with suitable diagrams.
16. Write an essay on the structural organization of apple snail.

Part – C

Answer any Two Questions

(2 × 20 = 40)

17. Elaborate the structural organization of frog.
18. Give an account of the Life cycle of *Obelia geniculata*.
19. Form an essay on structural organization of garden lizard.
20. Write an essay on structure, life cycle and development of star fish.

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