



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIRST SEMESTER – APRIL 2018

17/16UZO1AL01- ANIMAL DIVERSITY

Date: 30-04-2018
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

Part-A

Answer ALL the questions

(10×2=20 Marks)

1. Define endostyle.
2. Comment on first pair of abdominal appendages.
3. Differentiate asexual reproduction from sexual reproduction.
4. Comment on scolex.
5. What is gravid proglottid?
6. Define Hermaphrodite with an example
7. Comment on quill feather.
8. What is radula?
9. Differentiate cleidoic egg from non-cleidoic egg.
10. What is an extra embryonic membrane?

Part-B

Answer any FOUR questions

(4×10=40 Marks)

11. Describe the development of *Obeligeniculata*.
12. Write an essay on the structural organization of apple snail.
13. Explain the external characteristics of *Obeligeniculata*.
14. Draw and label the parts of dorsal and ventral view of frog brain.
15. Write notes on the types of chordate eggs.
16. Describe the arterial system of Frog.

Part-C

Answer any TWO questions

(2×20=40 Marks)

17. Describe the structure and functions of water vascular system of starfish.
18. Elaborate the life cycle of *Plasmodium* (Golgi and Ross).
19. Form an essay on external structures of *Calotes versicolor*.
20. Write an essay on extra embryonic membranes.

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