



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

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

FIRST & SECOND SEMESTER – APRIL 2017

**16UZ01A01 / AZ 2104 / AZ 2102 - ANIMAL DIVERSITY**

Date: 02-05-2017  
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

**Part-A**

**Answer ALL the questions**

**(10×2=20 Marks)**

1. Comment on polyp.
2. Mention salient feature of 1<sup>st</sup> abdominal appendage.
3. Differentiate asexual reproduction from sexual reproduction?
4. Comment on body setae.
5. Define Hermaphrodite with an example
6. Comment on quill feathers.
7. What is radula?
8. Differentiate cleidoic eggs from non-cleidoic eggs.
9. Name the extra embryonic membrane of chick.
10. Mention the dental formula of rat and mammal.

**Part-B**

**Answer any FOUR questions**

**(4×10=40 Marks)**

11. Describe life cycle of *Endameba histolytica*.
12. Write notes on proglottides of *Taeniasolium*.
13. Explain the external characteristics of *Obeliageniculata*.
14. Give an account on flight muscles.
15. Draw and label the parts of dorsal and ventral view of frog brain.
16. Write notes on the types of chordate eggs.

**Part-C**

**Answer any TWO questions**

**(2×20=40 Marks)**

17. Write an essay on star fish.
18. Elaborate the life cycle of *Plasmodium* (Golgi and Ross).
19. Write an essay on extra embryonic membranes of chick.
20. Describe the arterial and venous systems of Frog.

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