

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



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

SECOND SEMESTER – APRIL 2018

AZ 2104– ANIMAL DIVERSITY

Date: 30-04-2018

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

Part-A

Answer All the questions

(10×2=20 Marks)

1. Define Trophozoite.
2. Comment on heterosexual reproduction.
3. What is petasma?
4. Comment on Medusa.
5. What is Scolex?
6. Comment on Radula.
7. What is hermaphrodite with an example?
8. What are extra embryonic membranes?
9. Comment on air sac of pigeon.
10. What is Flight muscle?

Part-B

Answer any FOUR questions

(4×10=40 Marks)

11. Discuss the organization of Obelia colony with an illustration.
12. Write notes on the life cycle of *Entamoeba histolytica*
13. Describe the water vascular system of starfish.
14. Write an essay on the types of chordate eggs.
15. Write notes on respiratory system of birds.
16. Draw a neat diagram of Frog brain (dorsal and ventral view) and label the parts.

Part-C

Answer any TWO questions

(2×20=40 Marks)

17. Write an essay on placentation in animals.
18. Elaborate on *Plasmodium* life cycle proposed by Golgi and Ross.
19. Explain male and female reproductive system of *Ascaris*.
20. Describe the arterial and venous system of Frog.
