

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

THIRD SEMESTER – APRIL 2018

AZ 3510– DEVELOPMENTAL BIOLOGY

Date: 07-05-2018
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART-A

Answer ALL questions:

(10×2=20)

1. What is Epigenesis?
2. What is bilateral cleavage?
3. Differentiate Amnion from Yolk sac.
4. Comment on blastocoel
5. Define Organizer.
6. What is Biogenetic law?
7. Comment on Polar body.
8. What is splanchnic mesoderm?
9. Define blastema.
10. What is extra embryonic membrane?

PART-B

Answer any FOUR of the following questions:

(4×10=40)

11. Give an account on the History of Developmental Biology.
12. Describe in detail about the events of Fertilization.
13. Write notes on the development of heart in Mammals.
14. Give short notes on Regeneration.
15. Write an essay on Test tube babies.
16. Give a brief account on Metamorphosis in Insects.

PART-C

Answer any TWO of the following questions:

(2 ×20=40)

17. Briefly explain the Types of Cleavage.
18. Give an account on Placentation in Mammals.
19. Write brief notes on Parthenogenesis.
20. Explain in detail about Transgenic animals.
