

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

THIRD SEMESTER – NOVEMBER 2017

16UZO3MC03 – DEVELOPMENTAL BIOLOGY

Date: 07-11-2017

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART-A

Answer ALL questions:

(10 ×2=20)

1. What is Cell differentiation?
2. Comment on Ingression
3. What is Yolk sac?
4. What is Blastema?
5. Comment on Teratogens
6. State the functions of Sertoli cells
7. What is Holoblastic Cleavage?
8. What is Splanchnic Mesoderm?
9. Comment on Liver regeneration?
10. Define Artificial Insemination

PART-B

Answer any FOUR of the following questions:

(4×10=40)

11. Write an account on the History of Developmental Biology.
12. Briefly explain the Gastrulation in Frog
13. Write notes on the Development of Heart in Mammals.
14. Explain in detail about the types of Stem cells.
15. Give a brief account on Conjoined twins.
16. Write short notes on Extra Embryonic membranes.

PART-C

Answer any TWO of the following questions:

(2 ×20=40)

17. Explain Oogenesis with suitable diagrams.
18. Write notes on the Development of Eye in Mammals.
19. Give an account on Regeneration.
20. Write an essay on IVF.
