



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

FIRST SEMESTER – NOVEMBER 2014

ZO 1822 - ADVANCED DEVELOPMENTAL BIOLOGY

Date : 08/11/2014
Time : 01:00-04:00

Dept. No.

Max. : 100 Marks

Part-A

Answer ALL the questions:

(10×2=20 Marks)

1. Define infertility.
2. Comment on endoaminoscope.
3. Explain the period of gestation.
4. What is embryogenesis?
5. Define transgenesis.
6. Comment on receptor tyrosine kinase.
7. What are morphogens?
8. Explain chorion.
9. Define morphogenesis.
10. Comment on locus control regions.

Part-B

Answer any FOUR questions:

(4×10=40 Marks)

11. Give an account on ovulation.
12. Write notes on functions of placenta.
13. Explain the role of development biology in the field of medicine.
14. Discuss the general types of signal transducers.
15. Write an account on cryopreservation of gametes.
16. Explain operon concept.

Part-C

Answer any TWO questions:

(2×20=40 Marks)

17. Write an essay on pregnancy and the progressive changes during pregnancy.
18. Give an account on aging.
19. Explain prenatal diagnosis.
20. Describe Teratogenesis.
