

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FOURTH SEMESTER – APRIL 2016

AZ 4503 – EMBRYOLOGY

Date: 20-04-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART A

ANSWER **ALL** QUESTIONS:

(10x2=20 marks)

1. Define of the theory epigenesis.
2. Explain germplasm theory.
3. What are acroblasts?
4. Define vitellogenesis.
5. What is polarity?
6. Define fate map.
7. What are gamones?
8. What is yolk plug?
9. Define organizers.
10. What is Rh factor?

PART - B

ANSWER ANY **FOUR** QUESTIONS

(4x10=40 marks)

11. Explain briefly the process of oogenesis.
12. Give an account on regeneration.
13. Describe the pattern of cleavage.
14. Write short notes on Development of eye.
15. Write short notes on vitellogenesis.
16. What is erythroblastosisfoetalis?

PART C

ANSWER ANY **TWO** QUESTIONS

(2x20=40 marks)

17. Write an essay on spermatogenesis.
18. Write an essay on placentation in mammals.
19. Explain the process of gastrulation in frog.
20. Write an essay on embryo transplantation techniques and test tube babies.

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