

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY & BIOTECH.

FOURTH SEMESTER – NOVEMBER 2009

Z 451 - BIOLOGY - II

Date & Time: 12/11/2009 / 9:00 - 12:00 Dept. No.

Max. : 100 Marks

PART A

Answer ALL questions

10X2=20marks

1. Mention 3 primary characters of chordates.
2. What are solenocytes?
3. What is ductus caroticus?
4. Comment on furcula.
5. Categorize the dentition in mammals.
6. What are acroblasts?
7. Comment on fertilizin.
8. What is pecten?
9. Explain yolk sac placenta.
10. What is blastopore?

PART B

Answer any FOUR

4X10=40marks

11. Draw and label the arterial system of Calotes.
12. Explain the structure of brain of frog.
13. Describe the urinogenital system of pigeon.
14. Explain flight muscles of a bird.
15. What is a placenta? Describe the placenta in rabbit.
16. Explain cleavage in amphioxus.

PART C

Answer any TWO

2X20=40marks

17. Categorize chordate eggs with illustrations.
18. Write an essay on fertilization.
19. What are extraembryonic membranes? Explain the same in chick.
20. Discuss the structure of heart in vertebrates.
