Code No. 5014 / E

FACULTY OF SCIENCE
B. Sc. II-Year Examination, March / April 2015
Subject: Zoology
Paper – II
Biology of Chordates, Embryology, Ecology and Zoogeography

Time : 3 Hours Max. Marks : 100

Note: Draw the diagrams wherever necessary.

Section – A (5x8=40 Marks)
(Short Answer Type)
Answer any five questions. Attempt at least one question from each unit.

UNIT-I
1. Urodela
2. Retrogressive Metamaphosis

UNIT-II
3. Chelonia
4. Types of feathers

UNIT-III
5. Placenta
6. Primary germ layers

UNIT-IV
7. Seral Stage
8. Predation

Section – B (4x15= 60 Marks)
Answer all questions.

9. (a) Describe the structure and life history of Herdmania. OR
(b) Write detail the general organization of Chordates you have studied.

10. (a) Describe the respiratory organs in Calotes. How does the breathing mechanisms differ from that of frog respiration. OR
(b) What are the different flight adaptation in birds?

11. (a) What is regeneration write with reference to Turbellarians and Lizards? OR
(b) What is Ongenises, write in detail about the process?

12. (a) Write about the ecological succession in an ecosystem giving suitable examples. OR
(b) Write about the Zoogeographical realms and their characteristics fauna.

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