

**FACULTY OF SCIENCE**

**B. Sc. II-Year Examination, March / April 2016**

**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)**

**Note:** Answer any **five** questions. Attempt at least one question from each unit.

**UNIT-I**

- 1 Cephalochordata
- 2 Cyclostomes

**UNIT-II**

- 3 Jacobsons organ
- 4 Types of feathers

**UNIT-III**

- 5 Spinal cleavage
- 6 Gastrulation

**UNIT-IV**

- 7 Seral stage
- 8 Predation

**Section – B (4x15= 60 Marks)**

**Note:** Answer **all** questions.

- 9 (a) What is the significance of migration in fish, elaborates giving suitable examples?

**OR**

- (b) Describe digestive system in *Rana*, add a note on the process of digestion.

- 10 (a) What are flight adaptation in birds, write giving suitable examples?

**OR**

- (b) Write the general characters and classification of Reptilia upto order level with suitable examples.

- 11 (a) What are foetal membranes? Elaborate their significance.

**OR**

- (b) Explain regeneration with reference to Turbellarians you have studied.

- 12 (a) What are community interactions, write with reference to competition, mutualism and commensalisms?

**OR**

- (b) What are zoogeographical realms? Write about their characteristic fauna.

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