



**Final Year Examination of the
Three -Year Degree Course, 2001**

(Faculty of Science)

ZOOLOGY

(Chordate Anatomy and Development)

Paper-I

Time : 3 Hours

Maximum Marks : 50

The candidates are requested to attempt FIVE questions
in all taking at least ONE question from each unit.

All questions carry equal marks.

UNIT-I

1. Discuss the statement tht Amphioxus exhibits rimitive,
pecialized and simplified characters. 10
2. Write short notes on : 5+5
(i) Retrogressive metamorphosis.
(ii) Neural complex of Herdmania

UNIT-II

3. Describe in tabular form the names, origin, branches,
distribution and nature of cranial nerves in Scoliodon. 10
4. Give an account of Parental care in Amphibia. 10

UNIT-III

5. Describe the characteristics and affinities of Sphenodon. 4+6
6. Write short notes on : 5+5
- (i) Poisonous and nonpoisonous snakes.
- (ii) Biting mechanism of any poisonous snake.

UNIT-IV

7. Give an account of urinogential system of Pigeon and discuss the significance of single ovary in birds. 10
8. Write short notes on: 10
- (i) Flight adaptations
- (ii) Mechanism of perching.

UNIT-V

9. Giving salient features of class Mammalia classify it upto orders with characters and examples. 10
10. Define migration and explain fish migration. 2+8