

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2018
(Second Semester)
Branch **ZOOLOGY**

ANIMAL DIVERSITY - II

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions earn-**EQUAL** marks (10 x 2 = 20)

- 1 Define Retrogressive metamorphosis.
- 2 Give an example of Cephalochordata.
- 3 Mention any two by-products of fishing industry'.
- 4 Give the economic significance of *Catla Ccitra*.
- 5 Give a characteristic feature of Anura.
- 6 Write about the parental care in Amphibia.
- 7 What is the common name for *Calotes*?
- 8 Why is Sphenodon called as the living fossil?
- 9 What is pineal gland?
- 10 Define hibernation?

SECTION - B (25 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Give account on the morphology of *Amphioxus*.
OR
b Explain about Retrogressive metamorphosis in Ascidian.
- 12 a Write a brief account on *Rohu*.
OR
b Give the general characters of superclass Pisces.
- 13 a Write about the orders Urodela and Anura.
OR
b Give the salient features of the order Apoda.
- 14 a Give the first aid tips for snake bite.
OR
b Write a short note on Sphenodon.
- 15 a List out the general characters of class Aves.
OR
b Describe about the aquatic adaptations in Mammals.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 ~ 30)

- 16 Classify Prochordata upto the level of classes with examples for each.
- 17 Explain in detail about the morphology and organ system of *Scoliodon*.
- 18 Classify Amphibia upto the level of orders with examples for each.
- 19 Write a detailed account on the factors involved in the differentiation of Poisonous and non-poisonous snakes.
- 20 Elaborate the phenomenon involved in the Migration of birds.