

**B. Sc. DEGREE END SEMESTER EXAMINATION OCTOBER 2018****SEMESTER 3: ZOOLOGY (CORE COURSE)****COURSE: 15U3CRZOO3, ANIMAL DIVERSITY - CHORDATA***(For Regular - 2017 Admission and Supplementary / Improvement 2016, 2015 Admissions)*

Time: Three Hours

Max Marks: 60

**PART – A***Define / Explain **all** the following . Each question carries 1 Mark.*

1. *Doliolum.*
2. *Diapsida.*
3. *Paedogenesis.*
4. *Sphenodon.*
5. *Struthio.*
6. *Echidna.*
7. *Amblystoma.*
8. *Acipencer.*

(1 x 8 = 8)

**PART – B***Answer any **six** questions. Each question carries 2 Marks*

9. Explain different modes of respiration in Frog.
10. What is retrogressive metamorphosis? Explain.
11. Describe salient features of class Cyclostomata.
12. What are the different types of scales found in fishes?
13. Name two lung fishes.
14. Explain the characters of sub Class Neornithes.
15. Write down the characters of *Chameleon*.
16. What are the accessory respiratory organs found in fishes?

(2 x 6 = 12)

**PART – C***Answer any **four** questions. Each question carries 4 Marks*

17. Write down the characters to identify Poisonous and Non-poisonous snakes.
18. Differentiate between Agnatha and Gnathostomata.
19. Classify class Amphibia upto Order with examples.

20. Explain briefly the different types of migration seen in birds.
21. Briefly explain the Parental care in fishes.
22. Classify superclass Pisces citing an example each. (4 x 4 = 16)

**PART – D**

*Answer any **two** questions. Each question carries 12 Marks*

23. Describe the flight muscles and the physiological mechanism in bird's flight.
24. Describe the common culturable fishes in Kerala.
25. Write an essay on Aquatic mammals.
26. Describe the venous system of Frog with suitable example. (12 x 2 = 24)

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